



October 6, 2016

Reference No. 038443-111

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Ms. Madelyn Adams
Environmental Response and Revitalization
Ohio Environmental Protection Agency
Southwest District Office
401 East Fifth Street
Dayton, Ohio
45402

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson, Ms. Adams, and Mr. Renninger:

**Re: Progress Report: September 1 through 30, 2016
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)**

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-16-C-011) effective June 11, 2016 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 U.S. EPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of September 1 through 30, 2016.

The next Progress Report for the month of October 2016 will be submitted on or before November 10, 2016.



Significant Developments in this Reporting Period

RI/FS ASAOC Developments

As reported previously the Respondents have initiated activities regarding access agreements for the RI/FS field work. This includes a review of existing access agreements and updates as required based on the proposed work activities and changes in property ownership. As agreed with USEPA, the access agreements for background sampling locations will be developed following sample location selection.

Discussions are ongoing between USEPA, GHD and the owner of the property located at 1951 Dryden Road (Bruce Mangeot of B&G Equipment and Truck Repair), regarding proposed access agreement for work under the RI/FS.

U.S. EPA requested information concerning locations where lead has been detected in surface material at concentrations above threshold concentration values. On August 31, 2016 GHD provided USEPA with two figures from agency reports to help identify areas of the Site that USEPA have deemed locations of interest due to the elevated presence of lead in surficial soil (<2 feet below ground surface). Additional information requested by USEPA included photographs of the general sample locations, to be provided by GHD on behalf of the Respondents, scheduled to be completed in October.

Removal Action ASAOC Developments

On September 1, 2016, USEPA and GHD participated in a conference call regarding the elevated methane levels at soil gas probe GP-2. GHD provided an update of the monitoring results including the single occurrence of methane at GP23-13 on August 29, and the results of laboratory analysis for GP-2 soil gas samples (collected on August 19) which identified the presence of methane and petroleum hydrocarbons (primarily butane). GHD stated that the field monitoring data and GP-2 analytical results indicate a local source of impact, likely associated with the former USTs located at DP&L. GHD also stated that information regarding buried utilities from the Ohio Utilities Protection Service (OUPS) had been requested to determine if preferential gas migration pathways may exist.

On September 9, 2016, GHD provided DP&L (Mr. Arentsen and Mr. Rizer) and the City of Moraine (Mr. Campbell, Chief Copper, and Mr. Eddy) with the analytical results of samples collected from the GP-2 nested probes. The samples were collected as requested by USEPA on August 19, 2016 and analyzed for TO-15 volatile organic compounds (VOCs) and methane. GHD observed that ongoing weekly methane monitoring at GP-2 continued to show readings above the lower explosion limit (LEL) for methane and hence the potential explosion hazard remains.

On September 16, 2016, GHD provided USEPA with an updated summary table of methane monitoring results at GP-2 and Site Area Probes. All probes on the west side of Dryden Road exhibited zero percent methane. The GP-2 results continued to show methane presence consistent with earlier readings.



On September 20, 2016 GHD provided DP&L (Ms. Clark and Mr. Elder) with a summary table of weekly methane monitoring at GP-2. GHD provided an updated summary table on September 30, 2016. GP-2 methane levels remain elevated above the LEL.

On September 21, 2016, GHD provided USEPA and Ohio EPA with a memorandum summarizing Dryden Road Buried Utility Information in advance of the September 22, 2016 conference call.

On September 22, 2016, USEPA and the Respondents participated in a conference call regarding the elevated methane levels at gas probe GP-2.

During the September 22 conference call, the participants discussed the following topics:

- GP-2 unfiltered methane levels remain greater than the LEL and GHD will continue weekly methane monitoring.
- GP23-13 has not been sampled for TO-15 or methane laboratory analysis and has not contained detectable levels of methane since August 29, 2016, nor has it shown an elevated PID response.
- Information and figures contained in the September 21, 2016 buried utility information memorandum were obtained through the Ohio Utilities Protection Service (OUPS). OUPS information did not contain any specific drawings for storm sewer details. GHD observed storm sewer inlets (i.e., curb openings/inlets) during field activities and plotted approximate locations on Figure 2 of the memorandum.
- Utilities including sanitary sewer, water main, and gas lines are located on the west side of Dryden Road. Communication lines are present on the east side of Dryden Road. There is no evidence of preferential pathways linking soil gas probe GP-2, located on the east side of Dryden Road adjacent to DP&L, to the west side of Dryden Road and the South Dayton Dump and Landfill Site.
- GHD noted that soil stratigraphy logs indicate permeable material that is not consistent with formation of preferential pathways with buried utilities. Stratigraphy logs for USEPA soil gas probes were not available, but may be located in the USEPA Chicago record center.
- GHD confirmed USEPA's summary that pure methane levels (filtered readings) are less than the LEL of 5%, and the unfiltered readings are greater than the LEL because of contribution of petroleum hydrocarbons. GHD noted that this summary was supported by the laboratory analysis of GP-2 soil gas.
- USEPA inquired as to how confident GHD was that there were no other features or utilities present. GHD responded that visual confirmation of the presence of utilities noted by OUPS members has not been confirmed. Respondents will consider an inspection to confirm information from OUPS and to record other relevant information.

Based on the discussions during the September 22 conference call GHD scheduled methane monitoring of soil gas probes, storm sewer inlets and manholes for September 28, 2016.



On September 27 and 28, 2016, GHD completed quarterly inspections of all sub-slab depressurization systems currently in operation at Site buildings.

On September 7, 14, 20, and 28, 2016, GHD completed weekly methane monitoring at GP-2 and Site Area Gas Probes (GP-7, GP-12, GP22-13, GP23-13, GP24A-13, and GP24B-13) in accordance with Addendum 2 of the Vapor Intrusion (VI) Work Plan (GHD, 2015). Filtered methane levels at GP-2 were below 100% of the LEL (<5% methane); unfiltered methane levels at GP-2 were greater than 100% of the LEL, and methane was not detected in any Site Area Gas Probes during the weekly methane monitoring completed in September 2016. GHD will continue to monitor methane at GP-2 and Site Area Gas Probes in accordance with Addendum 2 of the VI Work Plan. Methane monitoring results are provided in Tables 1, 2, and 3.

On September 28, 2016, GHD completed visual inspections and gas monitoring of underground utilities located in the area of GP-2 including storm water inlets 1 through 6 (S.I.-1, S.I.-2, S.I.-3, S.I.-4, S.I.-5, and S.I.-6), manholes 7 through 10 (M.H.-7, M.H.-8, M.H.-9, and M.H.-10), and sanitary manhole 1 (S.M.H.-1). Methane monitoring results of storm inlets and manholes in the vicinity of GP-2 are provided in Table 4.

On September 29, 2016, USEPA and the Respondents participated in a conference call regarding the elevated methane levels at soil gas probe GP-2.

During the September 29 conference call, the participants discussed the following topics:

- Utilities including sanitary sewer, water main, and gas lines are located on the west side of Dryden Road. Communication lines are present on the east side of Dryden Road. There are three pairs of storm water inlets located along Dryden Road in the area of GP-2. GHD completed a visual inspection and methane monitoring at storm water and manholes on September 28, 2016. Storm water inlet and manhole locations are shown on the handwritten markup of Figure 2 (attached).
- GHD's visual inspection determined that storm water flows from east to west across Dryden Road (S.I.-6 to S.I.-1 to M.H.-8, S.I.-5 to S.I.-2 to M.H.-9, and S.I.-4 to S.I.-3 to M.H.-10 and then north through M.H.-10, M.H.-9 and M.H.-8. Methane was not detected at storm water inlets and manholes monitored on September 28, 2016. An LEL of 1% was recorded at S.M.H.-1.
- Methane remains present at GP-2, and unfiltered methane levels remain greater than the lower explosive limit (LEL). Methane was not detected at any of the Site Area Probes and has not been detected since the single occurrence at GP23-13 on August 29, 2016.
- USEPA agreed that the presence of methane at GP-2 is most likely from a Dayton Power & Light (DP&L) source and asked about next steps.
- GHD proposed to submit a memorandum compiling information collected to date with conclusions. GHD also requested a reduction in monitor frequency.
- USEPA stated that USEPA and Ohio EPA would discuss the situation with Ohio BUSTR in order to address the GP-2 methane situation with DP&L over the next few months.



- USEPA requested that GHD and Respondents continue weekly monitoring at GP-2, Site Area Probes and storm inlets and manholes in the vicinity until methane levels decrease to below the LEL, in accordance with the monitoring frequency specified in the Work Plan. GHD and Respondents agreed to continue in the short term based on the expectation that concentrations will decrease along with lower ambient temperatures.
- Ohio EPA is currently reviewing Bureau of Underground Storage Tank Regulations (BUSTR) reports for the DP&L property. Ohio EPA will contact BUSTR to determine if any explosive gas monitoring was completed as part of the UST removal at DP&L. USEPA suggested inviting BUSTR to a future conference call.

The status for each building requiring mitigation, as of September 30, 2016, is summarized in Attachment A.

Summaries of all Anticipated Problems and Planned Resolutions

No problems were encountered during the reporting month and none are currently anticipated.

Projected Work for the Next Reporting Period

- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- Negotiating Site Access Agreements with landowners and tenants whose properties currently reside within or adjacent to the Site.
- Complete weekly methane monitoring at GP-2, corresponding Site Area landfill gas probes, and GP-2 area storm inlets and manholes in accordance with Addendum 2 of the VI Mitigation Work Plan.



Should you have any questions on the above, please do not hesitate to contact us.

Sincerely,

GHD

A handwritten signature in cursive script that reads "Julian Hayward".

Julian Hayward

BR/cb/4

Encl.

cc: (all by pdf) Wendell Barner, Barner Consulting
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Valerie Chan, GHD

Steve Quigley, GHD
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Wray Blattner, Thompson Hine

Methane (%)	Date	July 21	July 29	August 5	August 13	August 19	August 23	August 29	Sept. 7	Sept. 14	Sept. 20	Sept. 28
GP-2 (12')	w/o filter	13.5	13.7	12.3	15.5	16.7	9.3	6.4	4.5	6.9	7.4	6.6
	w/ filter	4.5	2.1	4.5	4.5	4.1	3.4	3.0	2.8	3.2	3.3	3.1
GP-2 (16')	w/o filter	34.6	39.2	37.8	44.1	30.5	15.5	15.7	13.3	20.1	19.4	16.6
	w/ filter	5.0	2.6	5.1	4.9	4.2	3.5	3.3	3.6	4.0	4.0	3.7

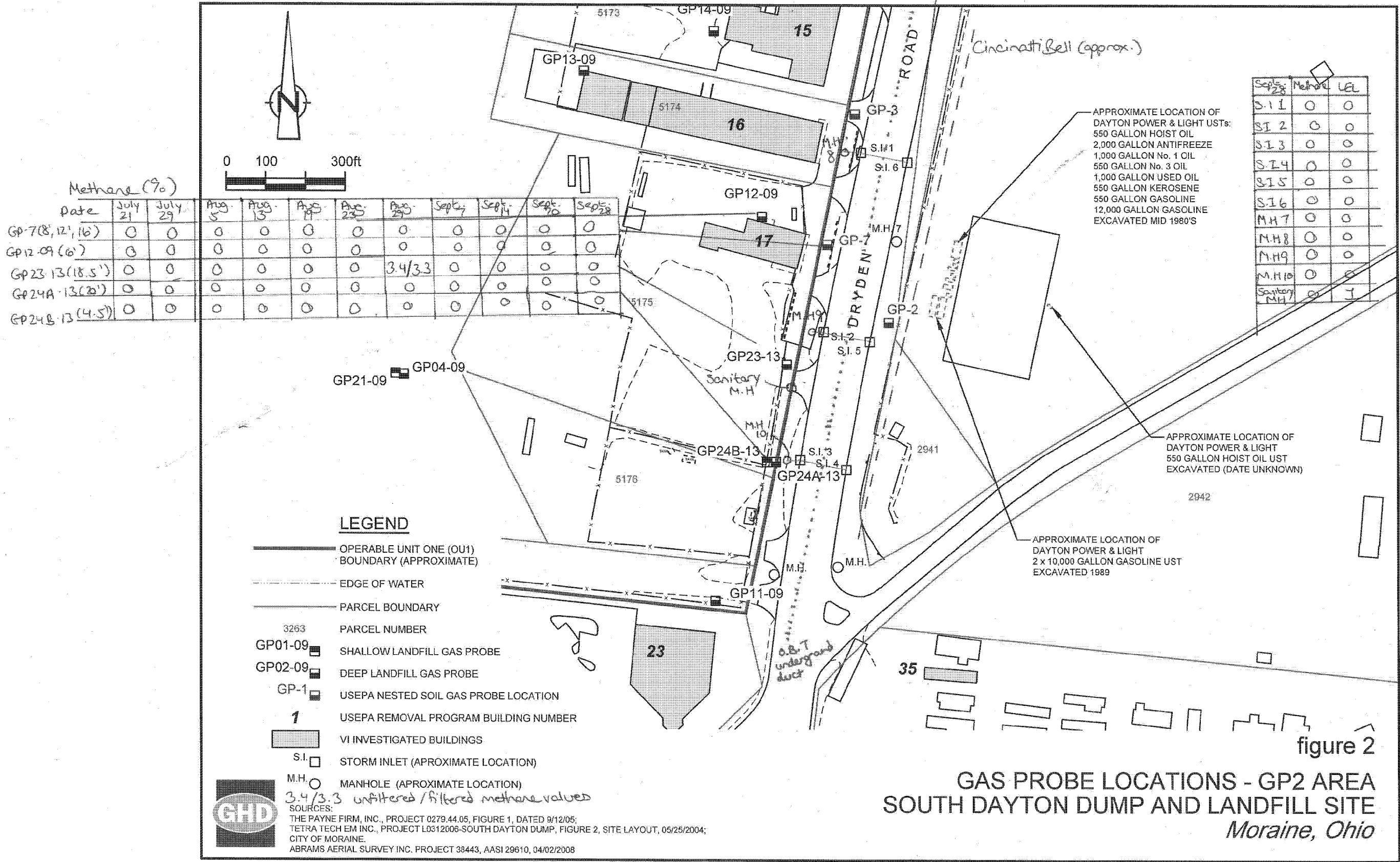


Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID Time (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
5173 / 1 / Storage area ambient air, without filter	1/19/2012	11:50	0.9	22.1	0.1	0.0	ND(1) ¹		
5173 / 1 / C / Storage area, without filter		12:01	391	7.5	2.7	0.9	19		
5173 / 1 / Storage area ambient air, without filter	1/24/2012	10:00	0	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area, without filter		10:09	96.7	5.5	2.8	0.9	19		
5173 / 1 / Storage area ambient air, without filter	1/31/2012	10:50	1	21.6	0.0	0.0	0		
5173 / 1 / C / Storage area, without filter		11:14	182.7	5.5	3.1	1.1	25		
5173 / 1 / Storage area ambient air, without filter	2/7/2012	10:44	0.1	21.7	0.1	0.0	0		
5173 / 1 / C / Storage area, without filter		10:56	142.3	10.9	1.8	0.9	21		
5173 / 1 / Storage area ambient air, without filter	2/16/2012	10:40	0.1	20.5	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		11:04	79.4	14.1	3.1	0.5	10		
5173 / 1 / C / Storage area without filter		11:04	79.4	18.1	0.3	0.2	3		
5173 / 1 / Storage area ambient air, without filter	3/1/2012	11:36	0.1	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:46	196.5	13.8	0.2	0.3	7		
5173 / 1 / C / Storage area without filter		12:48	196.5	16.9	1.5	0.4	9		
5173 / 1 / Storage area ambient air	3/13/2012	9:32	0	20.1	0.8	0.0	0		
5173 / 1 / C / Storage area with filter		10:20	101.2	1.0	3.3	0.8	18		
5173 / 1 / C / Storage area without filter			101.2	0.4	4.7	1.4	27		
5173 / 1 / A ambient air without filter		9:57	0	21.0	0.1	0.0	0		
5173 / 1 / A with filter		10:15	0	16.9	3.0	0.0	0		
5173 / 1 / B ambient air without filter		9:30	0	21.4	0.0	0.0	0		
5173 / 1 / B with filter		9:48	0.2	9.1	7.9	0.0	0		
5173 / 1 / Storage area ambient air, without filter	3/22/2012	11:50	0	20.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:44	105.8	3.2	1.2	0.7	11		
5173 / 1 / C / Storage area without filter		12:47	105.8	3.0	5.1	1.1	24		
5173 / 1 / Storage area ambient air, without filter	3/27/2012		0.1	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter			17.1	3.9	1.9	0.9	17		
5173 / 1 / C / Storage area without filter		10:56	17.1	5.9	5.4	1.2	26		
5173 / 1 / Storage area ambient air, without filter	4/3/2012	12:30	0	21.0	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:09	136.8	1.9	0.4	0.8	19		
5173 / 1 / C / Storage area without filter		13:10	136.8	1.7	5.1	1.4	29		
5173 / 1 / Storage area ambient air, without filter	4/10/2012	11:05	0	21.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:52	206.1	3.0	0.5	0.8	19		
5173 / 1 / C / Storage area without filter		11:53	206.1	3.1	1.2	0.9	27		
5173 / 1 / Storage area ambient air, without filter	4/17/2012	10:15	0	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:32	129.8	2.3	2.2	0.9	19		
5173 / 1 / C / Storage area without filter		10:37	129.8	1.5	5.5	1.4	28		
5173 / 1 / Storage area ambient air, without filter	4/26/2012	11:13	0	21.0	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:27	120.7	2.2	1.7	0.9	10		
5173 / 1 / C / Storage area without filter		11:31	120.7	14.9	1.6	0.5	12		
5173 / 1 / Storage area ambient air, without filter	5/3/2012	11:33	0	20.2	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		11:45	122.1	15.2	0.8	0.3	5		
5173 / 1 / C / Storage area without filter		11:48	122.1	9.5	3.4	0.7	14		
5173 / 1 / Storage area ambient air, without filter	5/10/2012	13:58	0	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:10	167.9	10.7	0.9	0.6	14		
5173 / 1 / C / Storage area without filter		14:11	167.9	7.8	3.8	0.9	18		
5173 / 1 / Storage area ambient air, without filter	5/15/2012		0	20.1	0.0	0.0	0		
5173 / 1 / C / Storage area with filter			80.4	10.7	0.2	0.5	10		
5173 / 1 / C / Storage area without filter			80.4	20.8	0.3	0.1	2		
5173 / 1 / Storage area ambient air, without filter	5/24/2012	13:15	0.0	20.8	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:39	107.1	1.2	6.2	0.9	18		
5173 / 1 / C / Storage area without filter		13:47	107.1	2.2	6.4	1.3	26		
5173 / 1 / Storage area ambient air, without filter	5/31/2012	11:04	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:14	116.6	8.7	1.5	0.3	7		
5173 / 1 / C / Storage area without filter		11:20	116.6	16.8	2.0	0.7	27		
5173 / 1 / Storage area ambient air, without filter	6/7/2012	10:24	0.0	20.9	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:33	102.2	0.9	6.2	1.1	22		
5173 / 1 / C / Storage area without filter		10:44	102.2	1.8	7.0	1.4	28		
5173 / 1 / Storage area ambient air, without filter	6/14/2012	10:55	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:07	72.0	5.5	3.5	0.7	20		
5173 / 1 / C / Storage area without filter		11:13	72.0	3.8	4.3	1.0	21		
5173 / 1 / Storage area ambient air, without filter	6/19/2012	10:33	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:55	78.0	1.8	2.3	1.3	26		
5173 / 1 / C / Storage area without filter		10:57	78.0	1.3	7.3	2.2	43		
5173 / 1 / Storage area ambient air, without filter	6/28/2012	10:01	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:11	65.7	5.8	3.2	0.7	21		
5173 / 1 / C / Storage area without filter		10:11	65.7	3.7	4.7	1.1	27		
5173 / 1 / Storage area ambient air, without filter	7/3/2012	10:15	0.0	19.7	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:56	68.0	1.9	7.6	1.7	36		
5173 / 1 / C / Storage area without filter		10:58	68.0	1.9	6.4	1.9	25		

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:		PID	O ₂	CO ₂	CH ₄	LEL	Ambient	Summary of Recent	Barometric		
Parcel / Building / Probe	Date:	Time	(ppm)	(%)	(%)	(%)	Temperature (°F)	Precipitation	Pressure (hPa)		
5173 / 1	7/11/2012	Access unavailable									
5173 / 1 / Storage area ambient air, without filter	7/19/2012	13:15	0.1	20.4	0.0	0					
5173 / 1 / C / Storage area with filter		13:40	65.9	1.7	6.5	1.8	38				
5173 / 1 / C / Storage area without filter		13:40	65.9	1.6	7.9	2.6	51				
5173 / 1 / Storage area ambient air, without filter	7/26/2012	9:45	0.0	20.2	0.0	0					
5173 / 1 / C / Storage area with filter		9:54	0.0	2.4	6.2	1.9	43				
5173 / 1 / C / Storage area without filter		9:54	0.0	1.0	7.7	3.2	63				
5173 / 1 / Storage area ambient air, with filter	8/2/2012	9:40	0.0	20.6	0.0	0	90s	none			
5173 / 1 / Storage area ambient air, without filter		9:40	0.0	20.7	0.0	0					
5173 / 1 / C / Storage area with filter		9:52	79.6	9.2	0.1	1.1				17	
5173 / 1 / C / Storage area without filter		9:52	79.6	6.9	5.3	1.8				38	
5173 / 1 / Storage area ambient air, with filter	8/7/2012	9:57	--	--	--	0	low 90s	none			
5173 / 1 / Storage area ambient air, without filter		9:57	0.3	20.7	0.1	0				0	
5173 / 1 / C / Storage area with filter		10:06	--	--	--	--				43	
5173 / 1 / C / Storage area without filter		10:06	116.5	3.7	6.7	2.9				57	
5173 / 1 / A / Office area ambient air with filter	8/16/2012	11:55	0.1	20.3	0.0	0	80 - low 90s	none			
5173 / 1 / A / Office area ambient air without filter		11:55	0.1	20.2	0.0	0				0	
5173 / 1 / A / Office area with filter		11:58	2.5	19.5	0.3	0				0	
5173 / 1 / A / Office area without filter		11:58	2.5	19.7	0.9	0				0	
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		11:52	0.3	20.6	0.0	0				0	
5173 / 1 / Storage area ambient air, without filter		11:52	0.3	20.6	0.0	0				0	
5173 / 1 / C / Storage area with filter		12:26	100.7	0.5	6.1	2.2				47	
5173 / 1 / C / Storage area without filter		12:26	100.7	1.3	6.7	3.1				62	
5173 / 1 / A / Office area ambient air with filter	8/21/2012	14:05	0.0	21.1	0.0	0	80s	none			
5173 / 1 / A / Office area ambient air without filter		14:05	0.0	21.0	0.0	0				0	
5173 / 1 / A / Office area with filter		14:20	2.0	19.5	0.1	0				0	
5173 / 1 / A / Office area without filter		14:20	2.0	19.7	0.8	0				0	
5173 / 1 / B / Firing Range ambient air with filter		13:45	0.0	20.4	0.0	0				0	
5173 / 1 / B / Firing Range ambient air without filter		13:45	0.0	20.4	0.0	0				0	
5173 / 1 / B / Firing Range with filter		13:55	2.3	4.4	12.2	0				0	
5173 / 1 / B / Firing Range without filter		13:55	2.3	6.3	11.0	0				0	
5173 / 1 / Storage area ambient air, with filter		14:25	0.0	21.1	0.0	0				0	
5173 / 1 / Storage area ambient air, without filter		14:25	0.0	21.4	0.0	0				0	
5173 / 1 / C / Storage area with filter		14:37	110.9	0.5	5.0	2.1				42	
5173 / 1 / C / Storage area without filter		14:37	110.9	4.8	5.1	2.3				46	
5173 / 1 / A / Office area ambient air without filter	8/30/2012		0.0	20.0	0.0	0	80s	none			
5173 / 1 / A / Office area with filter		13:44	0.5	19.5	0.9	0				0	
5173 / 1 / A / Office area without filter		13:44	0.5	19.4	1.0	0				0	
5173 / 1 / B / Firing Range ambient air without filter		13:57	0.0	20.7	0.0	0				0	
5173 / 1 / B / Firing Range with filter		14:07	1.2	5.5	11.0	0				0	
5173 / 1 / B / Firing Range without filter		14:07	1.2	5.3	11.6	0				0	
5173 / 1 / Storage area ambient air, without filter		13:03	0.0	20.5	0.0	0				0	
5173 / 1 / C / Storage area with filter		13:21	39.1	1.4	3.8	1.9				39	
5173 / 1 / C / Storage area without filter		13:21	39.1	0.9	6.6	2.8				57	
5173 / 1 / A / Office area ambient air with filter	9/6/2012		0.0	20.6	0.0	0	80s	rain daily during week of September 2 to 6			
5173 / 1 / A / Office area ambient air without filter			0.0	20.8	0.0	0				0	
5173 / 1 / A / Office area with filter		14:07	3.8	19.4	0.1	0				0	
5173 / 1 / A / Office area without filter		14:07	3.8	19.2	0.9	0				0	
5173 / 1 / B / Firing Range ambient air with filter			0.0	20.3	0.0	0				0	
5173 / 1 / B / Firing Range ambient air without filter			0.0	20.4	0.0	0				0	
5173 / 1 / B / Firing Range with filter		14:00	3.8	62.0	9.9	0				0	
5173 / 1 / B / Firing Range without filter		14:00	3.8	63.0	11.4	0				0	
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	20.3	0.0	0				0	
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	20.2	0.0	0				0	
5173 / 1 / C / Storage area with filter		13:41	140.4	0.9	5.0	1.9				38	
5173 / 1 / C / Storage area without filter		13:41	140.4	0.8	6.3	2.8				58	
5173 / 1 / A / Office area ambient air with filter	9/13/2012		0.0	20.9	0.0	0	high 70s - low 80s	none			
5173 / 1 / A / Office area ambient air without filter			0.0	20.7	0.0	0				0	
5173 / 1 / A / Office area with filter		12:08	0.5	19.6	0.2	0				0	
5173 / 1 / A / Office area without filter		12:08	0.5	19.2	1.0	0				0	
5173 / 1 / B / Firing Range ambient air with filter			0.0	21.3	0.0	0				0	
5173 / 1 / B / Firing Range ambient air without filter			0.0	21.1	0.0	0				0	
5173 / 1 / B / Firing Range with filter		12:23	1.9	5.8	9.7	0				0	
5173 / 1 / B / Firing Range without filter		12:23	1.9	5.5	11.8	0				0	
5173 / 1 / Storage area ambient air, with filter			0.0	21.2	0.0	0				0	
5173 / 1 / Storage area ambient air, without filter			0.0	21.2	0.0	0				0	
5173 / 1 / C / Storage area with filter			60.2	0.8	5.1	2.3				45	
5173 / 1 / C / Storage area without filter			60.2	1.0	6.0	2.7				55	

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID Time (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	9/20/2012	11:55	0.0	20.3	0.1	0.0	low 70s	none		
5173 / 1 / A / Office area ambient air without filter		11:55	0.0	20.3	0.0	0.0				
5173 / 1 / A / Office area with filter		12:04	0.6	18.0	0.2	0.0				
5173 / 1 / A / Office area without filter		12:04	0.6	17.8	1.5	0.0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation								
5173 / 1 / Storage area ambient air, with filter		12:15	0.0	20.9	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		12:15	0.0	20.9	0.0	0.0				
5173 / 1 / C / Storage area with filter		12:23	88.5	1.9	4.5	2.0				41
5173 / 1 / C / Storage area without filter		12:23	88.5	1.8	5.3	2.6				52
5173 / 1 / SIM Trainer	9/27/2012	Inaccessible						60s - 70s	none	
5173 / 1 / A / Office area ambient air with filter	10/2/2012	13:05	0.0	21.1	0.0	0.0	mid 60s	light rain		
5173 / 1 / A / Office area ambient air without filter		13:05	0.0	21.1	0.0	0.0				
5173 / 1 / A / Office area with filter		13:09	0.7	15.6	0.7	0.0				
5173 / 1 / A / Office area without filter		13:09	0.7	17.4	1.6	0.0				
5173 / 1 / B / Firing Range ambient air with filter		12:50	0.0	20.9	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		12:50	0.0	20.9	0.0	0.0				
5173 / 1 / B / Firing Range with filter		13:00	0.7	4.6	10.3	0.0				
5173 / 1 / B / Firing Range without filter		13:00	0.7	4.7	10.5	0.0				
5173 / 1 / Storage area ambient air, with filter		13:13	0.0	21.2	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:13	0.0	21.2	0.0	0.0				
5173 / 1 / C / Storage area with filter		13:17	57.3	0.8	5.8	2.0				40
5173 / 1 / C / Storage area without filter		13:17	57.3	0.9	5.0	2.8				56
5173 / 1 / A / Office area ambient air with filter	10/18/2012	13:15	0.0	21.2	0.1	0.0	mid 70s	none		
5173 / 1 / A / Office area ambient air without filter		13:15	0.0	21.3	0.0	0.0				
5173 / 1 / A / Office area with filter		13:44	0.8	16.3	2.4	0.0				
5173 / 1 / A / Office area without filter		13:44	0.8	16.2	2.5	0.0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation								
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.3	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.3	0.0	0.0				
5173 / 1 / C / Storage area with filter		13:50	104.2	1.8	3.8	1.5				30
5173 / 1 / C / Storage area without filter		13:50	104.2	1.9	4.3	1.9				38
5173 / 1 / A / Office area ambient air with filter		10/25/2012	13:35	0.0	21.0	0.1				0.0
5173 / 1 / A / Office area ambient air without filter	13:35		0.0	21.0	0.1	0.0				
5173 / 1 / A / Office area with filter	14:17		2.4	15.6	0.8	0.0				
5173 / 1 / A / Office area without filter	14:17		2.4	15.2	2.6	0.0				
5173 / 1 / B / Firing Range ambient air with filter	13:06		0.0	20.5	0.1	0.0	1 ^R			
5173 / 1 / B / Firing Range ambient air without filter	13:06		0.0	20.3	0.0	0.0				
5173 / 1 / B / Firing Range with filter	14:20		1.0	3.8	9.6	0.0				
5173 / 1 / B / Firing Range without filter	14:20		1.0	4.1	10.0	0.0				
5173 / 1 / Storage area ambient air, with filter	13:20		0.0	21.0	0.1	0.0	1 ^R			
5173 / 1 / Storage area ambient air, without filter	13:20		0.0	20.9	0.0	0.0				
5173 / 1 / C / Storage area with filter	14:24		72.9	1.3	3.7	1.5	31			
5173 / 1 / C / Storage area without filter	14:24		72.9	1.4	4.1	2.0	41			
5173 / 1 / A / Office area ambient air with filter	10/30/2012	13:35	0.0	21.9	0.1	0.0	30s - 40s	snow & rain		
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.9	0.1	0.0				
5173 / 1 / A / Office area with filter		14:55	1.6	14.2	1.8	0.0				
5173 / 1 / A / Office area without filter		14:55	1.6	14.3	3.2	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:48	0.0	21.3	0.1	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:48	0.0	21.4	0.0	0.0				
5173 / 1 / B / Firing Range with filter		15:02	1.6	4.0	9.5	0.0				
5173 / 1 / B / Firing Range without filter		15:02	1.6	4.1	10.5	0.0				
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	22.2	0.1	0.0				
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	22.1	0.1	0.0				
5173 / 1 / C / Storage area with filter		15:06	79.5	1.2	4.3	1.6				34
5173 / 1 / C / Storage area without filter		15:06	79.5	1.4	4.1	2.1				43
5173 / 1 / A / Office area ambient air with filter	11/8/2012	14:02	1.4	21.4	0.1	0.0	30s - 40s	none		
5173 / 1 / A / Office area ambient air without filter		14:02	1.4	21.5	0.1	0.0				
5173 / 1 / A / Office area with filter		15:21	4.2	13.7	3.2	0.0				
5173 / 1 / A / Office area without filter		15:21	4.2	13.7	3.6	0.0				
5173 / 1 / B / Firing Range ambient air with filter		14:15	1.2	21.0	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		14:15	1.2	21.1	0.0	0.0				
5173 / 1 / B / Firing Range with filter		15:26	1.8	4.5	9.5	0.0				
5173 / 1 / B / Firing Range without filter		15:26	1.8	4.8	9.9	0.0				
5173 / 1 / Storage area ambient air, with filter		13:35	1.3	20.9	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:35	1.3	21.1	0.0	0.0				
5173 / 1 / C / Storage area with filter		15:36	165.5	1.2	3.2	1.4				27
5173 / 1 / C / Storage area without filter		15:36	165.5	2.2	3.5	1.6				33

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	11/15/2012	13:37	0.0	21.7	0.2	0.0	0	30s - 40s	none		
5173 / 1 / A / Office area ambient air without filter		13:37	0.0	21.8	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:32	0.0	14.3	3.3	0.0	0				
5173 / 1 / A / Office area without filter		15:32	0.0	14.6	3.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:58	0.0	21.7	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:58	0.0	21.9	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:43	0.0	4.3	9.5	0.0	0				
5173 / 1 / B / Firing Range without filter		15:43	0.0	4.5	9.8	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:15	0.0	21.8	0.2	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:15	0.0	21.4	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:45	92.6	1.4	2.5	1.0	21				
5173 / 1 / C / Storage area without filter		15:45	92.6	1.4	3.4	1.3	27				
5173 / 1 / A / Office area ambient air with filter	11/20/2012	13:03	0.0	20.9	0.1	0.0	0	50s	Trace		
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	20.9	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:45	0.0	13.8	3.2	0.0	0				
5173 / 1 / A / Office area without filter		14:45	0.0	13.9	3.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:09	0.0	21.0	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:09	0.0	21.1	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:50	0.0	4.6	9.7	0.0	0				
5173 / 1 / B / Firing Range without filter		14:50	0.0	4.7	10.1	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:08	0.0	20.9	0.1	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:08	0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:53	183.7	13.6	1.3	0.4	9				
5173 / 1 / C / Storage area without filter		14:53	183.7	10.8	1.8	0.8	16				
5173 / 1 / A / Office area ambient air with filter	11/29/2012	12:31	0.6	21.3	0.1	0.0	0	40s - 50s	None		
5173 / 1 / A / Office area ambient air without filter		12:31	0.6	21.3	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:05	1.8	13.1	4.0	0.0	0				
5173 / 1 / A / Office area without filter		14:05	1.8	13.3	4.1	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:40	0.4	21.2	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:40	0.4	21.2	0.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:37	0.3	21.3	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:37	0.3	21.3	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:23	120.4	2.4	2.8	1.1	22				
5173 / 1 / C / Storage area without filter		14:23	120.4	2.2	3.0	1.5	30				
5173 / 1 / A / Office area ambient air with filter		12/4/2012	13:26	0.0	21.3	0.0	0.0				0
5173 / 1 / A / Office area ambient air without filter	13:26		0.0	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter	15:29		0.1	13.6	4.5	0.0	0				
5173 / 1 / A / Office area without filter	15:29		0.1	13.7	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter	14:17		0.0	21.0	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	14:17		0.0	21.0	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter	15:34		0.2	9.1	7.1	0.0	0				
5173 / 1 / B / Firing Range without filter	15:34		0.2	9.1	7.3	0.0	0				
5173 / 1 / Storage area ambient air, with filter	13:07		0.0	21.4	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter	13:07		0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	15:39		66.6	1.6	4.2	1.0	19				
5173 / 1 / C / Storage area without filter	15:39		66.6	1.6	3.6	1.3	27				
5173 / 1 / A / Office area ambient air with filter	12/13/2012	14:18	0.0	22.0	0.0	0.0	0	40s	sunny		
5173 / 1 / A / Office area ambient air without filter		14:18	0.0	22.0	0.0	0.0	0.0				
5173 / 1 / A / Office area with filter		15:17	0.0	14.9	2.5	0.1 U	1 U				
5173 / 1 / A / Office area without filter		15:17	0.0	14.6	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:54	0.0	22.0	0.0	0.1 U	2 U				
5173 / 1 / B / Firing Range ambient air without filter		13:54	0.0	21.8	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		15:23	1.6	6.4	8.8	0.0	1 U				
5173 / 1 / B / Firing Range without filter		15:23	1.6	6.1	9.7	0.1	1				
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	22.0	0.1	0.1 U	2 U				
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	22.1	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		15:34	109.7	2.0	2.6	1.0	19				
5173 / 1 / C / Storage area without filter		15:34	109.7	1.9	3.2	1.2	25				
5173 / 1 / A / Office area ambient air with filter	12/18/2012	13:55	0.0	21.7	0.1	0.0	0	40s	none		
5173 / 1 / A / Office area ambient air without filter		13:55	0.0	21.6	0.2	0.0	0				
5173 / 1 / A / Office area with filter		14:41	0.8	14.9	3.8	0.0	0				
5173 / 1 / A / Office area without filter		14:41	0.8	14.7	4.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		14:04	0.0	21.5	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		14:04	0.0	21.6	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		14:51	0.7	6.2	9.3	0.0	0				
5173 / 1 / B / Firing Range without filter		14:51	0.7	6.4	9.7	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	21.4	0.3	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	21.4	0.4	0.0	0				
5173 / 1 / C / Storage area with filter		14:56	114.9	1.3	3.8	0.9	19				
5173 / 1 / C / Storage area without filter		14:56	114.9	1.4	3.6	1.3	26				

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID Time (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
5173 / 1 / A / Office area ambient air with filter	12/27/2012	13:05	0.0	21.0	0.0	0.0	30s	none	
5173 / 1 / A / Office area ambient air without filter		13:05	0.0	21.0	0.0	0.0			
5173 / 1 / A / Office area with filter		14:15	0.7	15.4	4.1	0.0			
5173 / 1 / A / Office area without filter		14:15	0.7	15.5	4.1	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	21.1	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	21.1	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:25	0.5	8.1	8.7	0.0			
5173 / 1 / B / Firing Range without filter		14:25	0.5	7.8	9.0	0.0			
5173 / 1 / Storage area ambient air, with filter		13:00	0.0	21.0	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:00	0.0	21.0	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:35	75.0	16.5	1.1	0.3			
5173 / 1 / C / Storage area without filter		14:35	75.0	12.0	1.5	0.5			
5173 / 1 / A / Office area ambient air with filter	1/3/2013	12:50	0.1	21.2	0.1	0.0	10s - 20s	None	
5173 / 1 / A / Office area ambient air without filter		12:50	0.1	21.2	0.1	0.0			
5173 / 1 / A / Office area with filter		14:15	0.3	17.9	2.4	0.0			
5173 / 1 / A / Office area without filter		14:15	0.3	16.9	3.2	0.0			
5173 / 1 / B / Firing Range ambient air with filter		12:57	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		12:57	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:26	0.4	8.7	8.4	0.0			
5173 / 1 / B / Firing Range without filter		14:26	0.4	8.7	8.4	0.0			
5173 / 1 / Storage area ambient air, with filter		12:55	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		12:55	0.0	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:34	90.4	4.0	2.6	0.7			
5173 / 1 / C / Storage area without filter		14:34	90.4	2.5	2.7	1.1			
5173 / 1 / A / Office area ambient air with filter	1/10/2013	13:28	0.0	21.1	0.1	0.0	30s	Trace	
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area with filter		14:24	1.0	16.0	3.7	0.0			
5173 / 1 / A / Office area without filter		14:24	1.0	16.0	3.9	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:26	0.1	20.8	0.2	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:26	0.1	21.0	0.1	0.0			
5173 / 1 / B / Firing Range with filter		14:30	0.9	9.1	7.8	0.0			
5173 / 1 / B / Firing Range without filter		14:30	0.9	9.4	7.9	0.0			
5173 / 1 / Storage area ambient air, with filter		13:24	0.1	21.0	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		13:24	0.1	21.1	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:45	52.2	3.1	3.0	0.6			
5173 / 1 / C / Storage area without filter		14:45	52.2	3.2	2.8	0.9			
5173 / 1 / A / Office area ambient air with filter	1/17/2013	13:10	0.0	21.3	0.1	0.0	30s	None	
5173 / 1 / A / Office area ambient air without filter		13:10	0.0	21.4	0.0	0.0			
5173 / 1 / A / Office area with filter		14:00	1.0	13.5	4.2	0.0			
5173 / 1 / A / Office area without filter		14:00	1.0	13.5	4.3	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:08	0.1	21.3	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:08	0.1	21.3	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:07	0.3	8.9	8.5	0.0			
5173 / 1 / B / Firing Range without filter		14:07	0.3	8.9	8.7	0.0			
5173 / 1 / Storage area ambient air, with filter		13:06	0.1	21.3	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		13:06	0.1	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:21	92.9	1.5	3.3	0.8			
5173 / 1 / C / Storage area without filter		14:21	92.9	1.6	3.2	1.0			
5173 / 1 / A / Office area ambient air with filter	1/24/2013	13:45	0.0	22.2	0.1	0.0	10 - 20s	None	
5173 / 1 / A / Office area ambient air without filter		13:45	0.0	21.9	0.1	0.0			
5173 / 1 / A / Office area with filter		15:56	0.0	16.2	2.9	0.0			
5173 / 1 / A / Office area without filter		15:56	0.0	15.9	4.1	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:36	0.0	22.4	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:36	0.0	22.4	0.0	0.0			
5173 / 1 / B / Firing Range with filter		16:01	0.4	7.2	8.2	0.0			
5173 / 1 / B / Firing Range without filter		16:01	0.4	6.7	9.0	0.0			
5173 / 1 / Storage area ambient air, with filter		13:25	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:25	0.0	20.9	0.0	0.0			
5173 / 1 / C / Storage area with filter		16:08	53.0	2.5	2.8	0.6			
5173 / 1 / C / Storage area without filter		16:08	53.0	1.9	2.8	0.9			

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	1/31/2013	13:33	0.0	22.1	0.1	0.0	0	10 - 20s	None		
5173 / 1 / A / Office area ambient air without filter		13:33	0.0	22.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:35	0.1	15.7	2.6	0.0	0				
5173 / 1 / A / Office area without filter		15:35	0.1	14.8	4.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		14:10	0.0	22.3	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		14:10	0.0	22.6	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		15:41	0.2	6.4	9.0	0.0	0				
5173 / 1 / B / Firing Range without filter		15:41	0.2	6.6	9.5	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	22.1	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.8	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		15:46	76.7	1.9	4.3	0.6	12				
5173 / 1 / C / Storage area without filter		15:46	76.7	1.6	3.2	0.9	19				
5173 / 1 / A / Office area ambient air with filter	2/7/2013	14:07	0.4	21.8	0.1	0.0	0	20s - 50s	none		
5173 / 1 / A / Office area ambient air without filter		14:07	0.4	21.8	0.2	0.0	0				
5173 / 1 / A / Office area with filter		15:09	0.8	15.4	3.5	0.0	0				
5173 / 1 / A / Office area without filter		15:09	0.8	15.0	4.2	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:54	0.2	21.4	0.1	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:54	0.2	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:21	135.7	2.0	3.4	0.6	13				
5173 / 1 / C / Storage area without filter		15:21	135.7	1.5	3.0	0.9	19				
5173 / 1 / A / Office area ambient air with filter	2/12/2013	13:01	0.1	21.2	0.0	0.0	0	30s - 40s	none		
5173 / 1 / A / Office area ambient air without filter		13:01	0.1	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:30	0.9	15.4	3.6	0.0	0				
5173 / 1 / A / Office area without filter		14:30	0.9	15.2	4.3	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	21.2	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	21.2	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:23	0.4	9.4	7.9	0.0	0				
5173 / 1 / B / Firing Range without filter		14:23	0.4	9.1	7.5	0.0	0				
5173 / 1 / Storage area ambient air, with filter		12:59	0.0	21.2	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:59	0.0	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:38	109.2	1.9	3.3	0.5	10				
5173 / 1 / C / Storage area without filter		14:38	109.2	3.0	3.0	0.7	13				
5173 / 1 / A / Office area ambient air with filter	2/21/2013	13:07	0.0	22.3	0.0	0.0	0	20s	trace		
5173 / 1 / A / Office area ambient air without filter		13:07	0.0	22.3	0.1	0.0	0				
5173 / 1 / A / Office area with filter		0.9	16.0	3.4	0.0	0					
5173 / 1 / A / Office area without filter		0.9	16.0	4.0	0.0	0					
5173 / 1 / B / Firing Range ambient air with filter		13:09	0.1	22.3	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:09	0.1	22.3	0.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:12	0.1	22.2	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:12	0.1	22.3	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		90.5	1.8	3.0	0.7	13					
5173 / 1 / C / Storage area without filter		90.5	2.0	2.9	0.9	18					
5173 / 1 / A / Office area ambient air with filter	2/28/2013	13:03	0.0	21.1	0.1	0.0	0	30s - 40s	~1 inch		
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	21.1	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:31	0.6	14.7	4.0	0.0	0				
5173 / 1 / A / Office area without filter		14:31	0.6	14.7	4.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:21	0.0	21.3	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:21	0.0	21.3	0.0	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:15	0.0	21.2	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:15	0.0	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:36	63.0	2.3	3.2	0.6	13				
5173 / 1 / C / Storage area without filter		14:36	63.0	2.4	3.1	0.8	16				
5173 / 1 / A / Office area ambient air with filter		3/7/2013	14:00	0.4	21.2	0.1	0.0				0
5173 / 1 / A / Office area ambient air without filter	14:00		0.4	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter	14:13		0.0	16.4	2.4	0.0	0				
5173 / 1 / A / Office area without filter	14:13		0.0	15.2	4.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter	13:50		0.4	21.6	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	13:50		0.4	21.6	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter	14:17		0.0	9.1	7.1	0.0	0				
5173 / 1 / B / Firing Range without filter	14:17		0.0	6.9	9.8	0.0	0				
5173 / 1 / Storage area ambient air, with filter	13:40		0.3	21.5	0.3	0.0	0				
5173 / 1 / Storage area ambient air, without filter	13:40		0.3	21.5	0.1	0.0	0				
5173 / 1 / C / Storage area with filter	14:21		47.0	5.1	5.0	0.4	8				
5173 / 1 / C / Storage area without filter	14:21		47.0	3.1	3.1	0.8	15				

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	3/14/2013	13:04	0.0	21.1	0.1	0.0	0	20s - 40s	None		
5173 / 1 / A / Office area ambient air without filter		13:04	0.0	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:36	0.0	15.2	4.1	0.0	0				
5173 / 1 / A / Office area without filter		14:36	0.0	15.2	4.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:33	0.0	21.8	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:33	0.0	21.7	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:30	0.1	9.4	9.1	0.0	0				
5173 / 1 / B / Firing Range without filter		14:30	0.1	9.6	8.8	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:18	0.0	21.3	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:18	0.0	21.4	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:53	80.1	2.3	3.0	0.4	8				
5173 / 1 / C / Storage area without filter		14:53	80.1	2.4	3.3	0.6	13				
5173 / 1 / A / Office area ambient air with filter	3/21/2013	13:40	0.0	21.2	0.1	0.0	0	20s - 30s	Trace		
5173 / 1 / A / Office area ambient air without filter		13:40	0.0	21.3	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:04	0.0	15.1	4.8	0.0	0				
5173 / 1 / A / Office area without filter		14:04	0.0	15.1	4.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.0	21.7	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.0	21.8	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		13:57	0.0	6.7	9.5	0.0	0				
5173 / 1 / B / Firing Range without filter		13:57	0.0	6.8	9.8	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.8	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.8	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:11	85.5	4.7	3.6	0.5	11				
5173 / 1 / C / Storage area without filter		14:11	85.5	2.5	3.3	0.8	17				
5173 / 1 / A / Office area ambient air with filter	3/28/2013	12:41	0.0	21.3	0.0	0.0	0	30s - 40s	None		
5173 / 1 / A / Office area ambient air without filter		12:41	0.0	21.3	0.0	0.0	0				
5173 / 1 / A / Office area with filter		13:21	0.0	15.4	5.4	0.0	0				
5173 / 1 / A / Office area without filter		13:21	0.0	15.5	4.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:42	0.0	21.3	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:42	0.0	21.3	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		13:16	0.0	7.3	9.1	0.0	0				
5173 / 1 / B / Firing Range without filter		13:16	0.0	7.2	9.8	0.0	0				
5173 / 1 / Storage area ambient air, with filter		12:44	0.0	21.3	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:44	0.0	21.3	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		13:27	109.0	3.1	3.4	0.6	12				
5173 / 1 / C / Storage area without filter		13:27	109.0	3.3	3.2	0.8	16				
5173 / 1 / A / Office area ambient air with filter	4/4/2013	13:27	0.0	21.3	0.0	0.0	0	30s - 50s	None		
5173 / 1 / A / Office area ambient air without filter		13:27	0.0	21.3	0.0	0.0	0				
5173 / 1 / A / Office area with filter		14:31	0.4	16.1	3.3	0.0	0				
5173 / 1 / A / Office area without filter		14:31	0.4	15.9	3.8	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:32	0.0	21.2	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:32	0.0	21.2	0.0	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:31	0.0	21.2	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:31	0.0	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:38	87.2	11.7	1.8	0.4	7				
5173 / 1 / C / Storage area without filter		14:38	87.2	13.3	1.6	0.4	8				
5173 / 1 / A / Office area ambient air with filter		4/9/2013	13:23	0.0	20.4	0.0	0.0				0
5173 / 1 / A / Office area ambient air without filter	13:23		0.0	20.5	0.0	0.0	0				
5173 / 1 / A / Office area with filter	14:19		1.1	15.5	3.8	0.0	0				
5173 / 1 / A / Office area without filter	14:19		1.1	15.6	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter	13:30		0.0	20.6	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	13:30		0.0	20.6	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter	14:26		1.3	6.5	9.5	0.0	0				
5173 / 1 / B / Firing Range without filter	14:26		1.3	10.0	6.6	0.0	0				
5173 / 1 / Storage area ambient air, with filter	13:31		0.0	20.6	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter	13:31		0.0	20.6	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	14:31		102.1	3.5	3.8	0.5	11				
5173 / 1 / C / Storage area without filter	14:31		102.1	3.7	3.6	0.7	14				
5173 / 1 / A / Office area ambient air with filter	4/18/2013	12:30	0.7	20.6	0.0	0.0	0	60s - 80s	None		
5173 / 1 / A / Office area ambient air without filter		12:30	0.7	20.6	0.0	0.0	0				
5173 / 1 / A / Office area with filter		14:15	1.1	15.2	4.3	0.0	0				
5173 / 1 / A / Office area without filter		14:15	1.1	15.2	4.5	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:37	0.0	20.4	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:37	0.0	20.4	0.0	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:35	0.1	20.4	0.2	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:35	0.1	20.4	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		14:21	134.9	1.6	5.2	0.6	13				
5173 / 1 / C / Storage area without filter		14:21	134.9	1.7	5.3	0.9	18				

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)		
5173 / 1 / A / Office area ambient air with filter	4/23/2013	14:09	0.0	21.4	0.0	0.0	0	50s - 60s	None			
5173 / 1 / A / Office area ambient air without filter		14:09	0.0	21.4	0.1	0.0	0					
5173 / 1 / A / Office area with filter		14:55	0.3	16.1	3.0	0.0	0					
5173 / 1 / A / Office area without filter		14:55	0.3	15.9	4.0	0.0	0					
5173 / 1 / B / Firing Range ambient air with filter		13:52	0.0	20.6	0.1	0.0	0					
5173 / 1 / B / Firing Range ambient air without filter		13:52	0.0	20.6	0.0	0.0	0					
5173 / 1 / B / Firing Range with filter		14:59	0.2	6.9	10.4	0.0	0					
5173 / 1 / B / Firing Range without filter		14:59	0.2	6.9	10.8	0.0	0					
5173 / 1 / Storage area ambient air, with filter		14:00	0.0	21.3	0.0	0.0	0					
5173 / 1 / Storage area ambient air, without filter		14:00	0.0	21.4	0.0	0.0	0					
5173 / 1 / C / Storage area with filter		15:04	77.6	3.5	4.1	0.5	10					
5173 / 1 / C / Storage area without filter		15:04	77.6	3.5	4.6	0.8	16					
5173 / 1 / A / Office area ambient air with filter	4/30/2013	13:39	0.0	21.3	0.0	0.0	0	40s - 70s	None			
5173 / 1 / A / Office area ambient air without filter		13:39	0.0	21.3	0.0	0.0	0					
5173 / 1 / A / Office area with filter		14:58	0.0	16.7	3.1	0.0	0					
5173 / 1 / A / Office area without filter		14:58	0.0	16.6	3.8	0.0	0					
5173 / 1 / B / Firing Range ambient air with filter		13:16	0.0	20.1	0.0	0.0	0					
5173 / 1 / B / Firing Range ambient air without filter		13:16	0.0	20.2	0.0	0.0	0					
5173 / 1 / B / Firing Range with filter		15:02	0.5	7.1	9.6	0.0	0					
5173 / 1 / B / Firing Range without filter		15:02	0.5	6.8	10.6	0.0	0					
5173 / 1 / Storage area ambient air, with filter		13:21	0.0	20.6	0.0	0.0	0					
5173 / 1 / Storage area ambient air, without filter		13:21	0.0	21.0	0.0	0.0	0					
5173 / 1 / C / Storage area with filter		15:06	60.1	2.5	5.8	0.5	10					
5173 / 1 / C / Storage area without filter		15:06	60.1	2.6	4.9	0.8	17					
5173 / 1 / A / Office area ambient air with filter	5/9/2013	13:35	0.0	20.6	0.0	0.0	0	50s - 70s	None			
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	20.6	20.7	0.0	0					
5173 / 1 / A / Office area with filter		14:49	0.0	17.5	1.8	0.0	0					
5173 / 1 / A / Office area without filter		14:49	0.0	17.3	2.8	0.0	0					
5173 / 1 / B / Firing Range ambient air with filter		13:19	0.0	19.5	0.0	0.0	0					
5173 / 1 / B / Firing Range ambient air without filter		13:19	0.0	19.6	0.0	0.0	0					
5173 / 1 / B / Firing Range with filter		14:51	0.4	7.0	10.3	0.0	0					
5173 / 1 / B / Firing Range without filter		14:51	0.4	7.1	10.8	0.0	0					
5173 / 1 / Storage area ambient air, with filter		13:27	0.0	20.0	0.0	0.0	0					
5173 / 1 / Storage area ambient air, without filter		13:27	0.0	20.1	0.0	0.0	0					
5173 / 1 / C / Storage area with filter		14:55	31.5	2.2	5.8	0.6	12					
5173 / 1 / C / Storage area without filter		14:55	31.5	2.3	5.5	0.9	18					
5173 / 1 / A / Office area ambient air with filter	5/16/2013	12:30	0.0	20.7	0.0	0.0	0	40s - 80s	~1 inch			
5173 / 1 / A / Office area ambient air without filter		12:30	0.0	20.7	0.1	0.0	0					
5173 / 1 / A / Office area with filter		13:48	1.0	18.1	2.7	0.0	0					
5173 / 1 / A / Office area without filter		13:48	1.0	17.9	3.1	0.0	0					
5173 / 1 / B / Firing Range ambient air with filter		12:33	0.0	20.7	0.1	0.0	0					
5173 / 1 / B / Firing Range ambient air without filter		12:33	0.0	20.7	0.0	0.0	0					
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:31	0.0	20.7	0.0	0.0	0					
5173 / 1 / Storage area ambient air, without filter		12:31	0.0	20.7	0.0	0.0	0					
5173 / 1 / C / Storage area with filter		13:59	120.3	1.8	6.5	0.8	15					
5173 / 1 / C / Storage area without filter		13:59	120.3	1.5	6.6	1.1	22					
5173 / 1 / A / Office area ambient air with filter		5/21/2013	14:06	0.0	20.5	0.0	0.0				0	40s - 80s
5173 / 1 / A / Office area ambient air without filter	14:06		0.0	20.5	0.0	0.0	0					
5173 / 1 / A / Office area with filter	15:37		0.0	18.8	1.8	0.0	0					
5173 / 1 / A / Office area without filter	15:37		0.0	18.7	2.5	0.0	0					
5173 / 1 / B / Firing Range ambient air with filter	13:50		0.0	19.2	0.0	0.0	0					
5173 / 1 / B / Firing Range ambient air without filter	13:50		0.0	19.3	0.0	0.0	0					
5173 / 1 / B / Firing Range with filter	15:41		0.9	6.7	12.1	0.0	0					
5173 / 1 / B / Firing Range without filter	15:41		0.9	6.8	12.6	0.0	0					
5173 / 1 / Storage area ambient air, with filter	13:58		0.0	20.0	0.0	0.0	0					
5173 / 1 / Storage area ambient air, without filter	13:58		0.0	20.0	0.0	0.0	0					
5173 / 1 / C / Storage area with filter	15:44		79.5	3.1	7.0	0.6	13					
5173 / 1 / C / Storage area without filter	15:44		79.5	3.1	6.6	1.0	20					
5173 / 1 / A / Office area ambient air with filter	5/30/2013	12:20	0.0	20.7	0.0	0.0	0	50s - 80s	~1.3 inch			
5173 / 1 / A / Office area ambient air without filter		12:20	0.0	20.7	0.0	0.0	0					
5173 / 1 / A / Office area with filter		13:48	1.7	18.6	2.0	0.0	0					
5173 / 1 / A / Office area without filter		13:48	1.7	18.4	2.3	0.0	0					
5173 / 1 / B / Firing Range ambient air with filter		12:34	0.0	20.8	0.0	0.0	0					
5173 / 1 / B / Firing Range ambient air without filter		12:34	0.0	20.7	0.0	0.0	0					
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:36	0.0	20.7	0.0	0.0	0					
5173 / 1 / Storage area ambient air, without filter		12:36	0.0	20.7	0.0	0.0	0					
5173 / 1 / C / Storage area with filter		13:56	137.2	1.5	7.2	0.8	17					
5173 / 1 / C / Storage area without filter		13:56	137.2	1.6	7.4	1.2	25					

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID Time (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	6/6/2013	13:51	0.1	20.9	0.0	0.0	60s	0.25 inch		
5173 / 1 / A / Office area ambient air without filter		13:51	0.1	20.9	0.1	0.0				
5173 / 1 / A / Office area with filter		15:28	1.8	19.2	2.0	0.0				
5173 / 1 / A / Office area without filter		15:28	1.8	19.0	2.2	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:56	0.0	20.9	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:56	0.0	20.9	0.0	0.0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation								
5173 / 1 / Storage area ambient air, with filter		13:55	0.0	20.9	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:55	0.0	20.9	0.0	0.0				
5173 / 1 / C / Storage area with filter		15:35	126.8	4.3	6.5	0.8				
5173 / 1 / C / Storage area without filter		15:35	126.8	4.4	6.8	1.1				
5173 / 1 / A / Office area ambient air with filter	6/13/2013	15:25	0.0	20.8	0.0	0.0	60s - 80s	1.55 inches		
5173 / 1 / A / Office area ambient air without filter		15:25	0.0	20.8	0.0	0.0				
5173 / 1 / A / Office area with filter		--	0.0	18.6	2.5	0.0				
5173 / 1 / A / Office area without filter		--	0.0	19.9	0.4	0.0				
5173 / 1 / B / Firing Range ambient air with filter		15:00	0.0	20.9	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		15:00	0.0	20.9	0.0	0.0				
5173 / 1 / B / Firing Range with filter		--	0.7	6.6	12.1	0.0				
5173 / 1 / B / Firing Range without filter		--	0.7	6.6	12.7	0.0				
5173 / 1 / Storage area ambient air, with filter		15:13	0.0	20.8	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		15:13	0.0	20.8	0.0	0.0				
5173 / 1 / C / Storage area with filter		--	86.4	2.0	7.5	1.0				
5173 / 1 / C / Storage area without filter	--	86.4	1.9	7.6	1.4					
5173 / 1 / A / Office area ambient air with filter	6/20/2013	--	0.0	21.0	0.0	0.0	50s - 80s	None		
5173 / 1 / A / Office area ambient air without filter		--	0.0	21.0	0.0	0.0				
5173 / 1 / A / Office area with filter		--	0.9	19.4	0.7	0.0				
5173 / 1 / A / Office area without filter		--	0.9	19.2	1.7	0.0				
5173 / 1 / B / Firing Range ambient air with filter		--	0.0	21.0	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		--	0.0	21.0	0.0	0.0				
5173 / 1 / B / Firing Range with filter		--	2.3	6.4	11.8	0.0				
5173 / 1 / B / Firing Range without filter		--	2.3	6.5	12.5	0.0				
5173 / 1 / Storage area ambient air, with filter		--	0.0	20.9	0.1	0.0				
5173 / 1 / Storage area ambient air, without filter		--	0.0	20.9	0.1	0.0				
5173 / 1 / C / Storage area with filter		--	235.1	2.5	7.6	1.0				
5173 / 1 / C / Storage area without filter	--	235.1	2.4	7.4	1.8					
5173 / 1 / A / Office area ambient air with filter	6/27/2013	13:12	0.0	21.6	0.0	0.0	70s - 80s	Trace		
5173 / 1 / A / Office area ambient air without filter		13:12	21.5	0.0	0.0	0.0				
5173 / 1 / A / Office area with filter		14:23	0.2	19.8	0.7	0.0				
5173 / 1 / A / Office area without filter		14:23	0.2	19.6	1.1	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:02	0.0	21.5	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:02	0.0	21.5	0.0	0.0				
5173 / 1 / B / Firing Range with filter		14:18	0.0	8.6	11.2	0.0				
5173 / 1 / B / Firing Range without filter		14:18	0.0	8.3	11.4	0.0				
5173 / 1 / Storage area ambient air, with filter		13:25	0.0	21.7	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:25	0.0	21.7	0.0	0.0				
5173 / 1 / C / Storage area with filter		14:30	223.0	3.1	5.7	1.3				
5173 / 1 / C / Storage area without filter	14:30	223.0	3.0	7.6	1.6					
5173 / 1 / A / Office area ambient air with filter	7/3/2013	12:51	0.0	20.7	0.0	0.0	60s - 80s	Trace		
5173 / 1 / A / Office area ambient air without filter		12:51	0.0	20.7	0.0	0.0				
5173 / 1 / A / Office area with filter		13:09	0.0	19.0	1.8	0.0				
5173 / 1 / A / Office area without filter		13:09	0.0	19.0	1.6	0.0				
5173 / 1 / B / Firing Range ambient air with filter		12:47	0.0	20.7	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		12:47	0.0	20.7	0.1	0.0				
5173 / 1 / B / Firing Range with filter		13:05	5.0	7.7	10.9	0.0				
5173 / 1 / B / Firing Range without filter		13:05	5.0	7.7	11.7	0.0				
5173 / 1 / Storage area ambient air, with filter		12:49	0	20.8	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		12:49	0	20.8	0.0	0.0				
5173 / 1 / C / Storage area with filter		13:25	217	3.3	6.5	1.2				
5173 / 1 / C / Storage area without filter	13:25	217	3.0	7.4	1.6					
5173 / 1 / A / Office area ambient air with filter	7/11/2013	13:34	0.0	20.7	0.0	0.0	60s - 70s	None		
5173 / 1 / A / Office area ambient air without filter		13:34	0.0	20.7	0.0	0.0				
5173 / 1 / A / Office area with filter		15:20	2.4	19.3	1.7	0.0				
5173 / 1 / A / Office area without filter		15:20	2.4	19.2	1.6	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:30	0.0	20.8	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:30	0.0	20.8	0.0	0.0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation								
5173 / 1 / Storage area ambient air, with filter		13:32	0.0	20.8	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:32	0.0	20.8	0.1	0.0				
5173 / 1 / C / Storage area with filter		15:25	102.6	1.7	7.8	1.2				
5173 / 1 / C / Storage area without filter		15:25	102.6	1.9	8.0	1.8				

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	7/18/2013	12:34	0.0	20.7	0.0	0.0	0	70s - 90s	None		
5173 / 1 / A / Office area ambient air without filter		12:34	0.0	20.8	0.0	0.0	0				
5173 / 1 / A / Office area with filter		15:16	1.9	19.7	1.5	0.0	0				
5173 / 1 / A / Office area without filter		15:16	1.9	19.8	1.3	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:30	0.0	20.7	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:30	0.0	20.7	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:09	5.0	8.0	11.0	0.0	0				
5173 / 1 / B / Firing Range without filter		15:09	5.0	7.7	11.9	0.0	0				
5173 / 1 / Storage area ambient air, with filter		12:32	0	20.7	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:32	0	20.7	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:45	126.3	2.0	8.0	1.3	25				
5173 / 1 / C / Storage area without filter		15:45	126.3	2.9	8.0	1.9	37				
5173 / 1 / A / Office area ambient air with filter	7/25/2013	13:18	0.0	20.9	0.0	0.0	0	50s - 70s	None		
5173 / 1 / A / Office area ambient air without filter		13:18	0.0	20.9	0.0	0.0	0				
5173 / 1 / A / Office area with filter		14:46	2.4	19.6	1.6	0.0	0				
5173 / 1 / A / Office area without filter		14:46	2.4	19.6	1.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.0	20.9	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.0	20.9	0.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:16	0	21.0	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:16	0	21.0	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		14:51	113.6	2.7	7.4	1.5	29				
5173 / 1 / C / Storage area without filter		14:51	113.6	2.8	7.7	1.9	38				
5173 / 1 / A / Office area ambient air with filter		8/1/2013	13:34	0.0	20.8	0.1	0.0				0
5173 / 1 / A / Office area ambient air without filter	13:34		0.0	20.8	0.0	0.0	0				
5173 / 1 / A / Office area with filter	14:41		1.0	18.9	2.5	0.0	0				
5173 / 1 / A / Office area without filter	14:41		1.0	19.0	1.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter	13:31		0.0	20.8	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	13:31		0.0	20.8	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter	14:35		0.9	7.4	11.3	0.0	0				
5173 / 1 / B / Firing Range without filter	14:35		0.9	7.5	11.5	0.0	0				
5173 / 1 / Storage area ambient air, with filter	13:32		0	20.8	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter	13:32		0	20.7	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	14:46		173.9	2.1	6.7	1.5	29				
5173 / 1 / C / Storage area without filter	14:46		173.9	2.5	7.4	2.1	41				
5173 / 1 / A / Office area ambient air with filter	8/6/2013	13:08	0.0	20.6	0.0	0.0	0	60s - 80s	None		
5173 / 1 / A / Office area ambient air without filter		13:08	0.0	20.6	0.0	0.0	0				
5173 / 1 / A / Office area with filter		14:15	1.5	18.7	2.0	0.0	0				
5173 / 1 / A / Office area without filter		14:15	1.5	18.6	1.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:04	0.0	20.6	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:04	0.0	20.7	0.0	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:06	0	20.6	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:06	0	20.6	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:21	151.3	2.6	7.0	1.5	30				
5173 / 1 / C / Storage area without filter		14:21	151.3	3.0	7.0	2.2	44				
5173 / 1 / A / Office area ambient air with filter		8/15/2013	12:52	0.0	20.8	0.0	0.0				0
5173 / 1 / A / Office area ambient air without filter	12:52		0.0	20.8	0.0	0.0	0				
5173 / 1 / A / Office area with filter	13:51		0.3	19.3	2.2	0.0	0				
5173 / 1 / A / Office area without filter	13:51		0.3	19.2	1.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter	12:50		0.0	20.8	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	12:50		0.0	20.9	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter	13:45		1.8	6.4	11.4	0.0	0				
5173 / 1 / B / Firing Range without filter	13:45		1.8	6.6	11.7	0.0	0				
5173 / 1 / Storage area ambient air, with filter	12:54		0	20.8	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter	12:54		0	20.8	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	13:57		85.8	2.3	6.6	1.5	30				
5173 / 1 / C / Storage area without filter	13:57		85.8	2.8	6.7	2.0	40				
5173 / 1 / A / Office area ambient air with filter	8/22/2013	13:43	0.0	20.4	0.0	0.0	0	60s - 80s	Trace (0.06 in.)		
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.4	0.0	0.0	0				
5173 / 1 / A / Office area with filter		14:53	0.0	18.9	1.4	0.0	0				
5173 / 1 / A / Office area without filter		14:53	0.0	18.9	1.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	20.4	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	20.4	0.0	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:41	0	20.3	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:41	0	20.3	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		15:00	91.2	1.6	7.0	1.4	28				
5173 / 1 / C / Storage area without filter		15:00	91.2	1.8	7.0	2.2	45				

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID Time (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	8/27/2013	13:28	0.0	20.5	0.0	0.0	70s - 80s	None		
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	20.5	0.0	0.0				
5173 / 1 / A / Office area with filter		14:30	1.9	19.2	1.6	0.0				
5173 / 1 / A / Office area without filter		14:30	1.9	19.1	1.2	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:25	0.0	20.5	0.1	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:25	0.0	20.5	0.0	0.0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation								
5173 / 1 / Storage area ambient air, with filter		13:27	0.1	20.4	0.1	0.0				
5173 / 1 / Storage area ambient air, without filter		13:27	0.1	20.4	0.0	0.0				
5173 / 1 / C / Storage area with filter		14:35	91.4	3.1	6.4	1.5				
5173 / 1 / C / Storage area without filter		14:35	91.4	2.0	7.0	2.6				
5173 / 1 / A / Office area ambient air with filter	9/5/2013	15:09	-	21.0	0.0	0.0	50s - 80s	None		
5173 / 1 / A / Office area ambient air without filter		15:09	-	21.1	0.0	0.0				
5173 / 1 / A / Office area with filter		15:32	1.0	19.2	1.1	0.0				
5173 / 1 / A / Office area without filter		15:32	1.0	19.1	1.2	0.0				
5173 / 1 / B / Firing Range ambient air with filter		15:00	-	20.2	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		15:00	-	20.3	0.0	0.0				
5173 / 1 / B / Firing Range with filter		15:40	1.5	6.4	11.2	0.0				
5173 / 1 / B / Firing Range without filter		15:40	1.5	6.6	11.6	0.0				
5173 / 1 / Storage area ambient air, with filter		15:16	-	20.7	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		15:16	0	2.8	0.0	0.0				
5173 / 1 / C / Storage area with filter		15:46	85	2.3	6.9	1.6				
5173 / 1 / C / Storage area without filter	15:46	85	2.3	6.8	2.2					
5173 / 1 / A / Office area ambient air with filter	9/12/2013	14:42	0.0	21.0	0.0	0.0	60s-80s	0.29 inches		
5173 / 1 / A / Office area ambient air without filter		14:42	0.0	21.0	0.0	0.0				
5173 / 1 / A / Office area with filter		17:35	0.3	20.0	0.7	0.0				
5173 / 1 / A / Office area without filter		17:35	0.3	19.9	1.0	0.0				
5173 / 1 / B / Firing Range ambient air with filter		14:55	0.0	21.1	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		14:55	0.0	21.1	0.0	0.0				
5173 / 1 / B / Firing Range with filter		17:40	0.0	6.8	11.4	0.0				
5173 / 1 / B / Firing Range without filter		17:40	0.0	6.8	11.7	0.0				
5173 / 1 / Storage area ambient air, with filter		15:04	0	20.8	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		15:04	0	20.8	0.0	0.0				
5173 / 1 / C / Storage area with filter		17:43	83.4	2.4	7.0	1.7				
5173 / 1 / C / Storage area without filter	17:43	83.4	2.4	6.9	2.3					
5173 / 1 / A / Office area ambient air with filter	9/20/2013	13:28	0.0	20.7	0.0	0.0	60s - 80s	0.6 inches	1009 - 1013	
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	20.7	0.0	0.0				
5173 / 1 / A / Office area with filter		14:20	0.4	18.7	1.0	0.0				
5173 / 1 / A / Office area without filter		14:20	0.4	18.6	1.2	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:36	0.0	20.9	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:36	0.0	20.9	0.0	0.0				
5173 / 1 / B / Firing Range with filter		14:24	1.2	6.5	10.6	0.0				
5173 / 1 / B / Firing Range without filter		14:24	1.2	6.5	10.9	0.0				
5173 / 1 / Storage area ambient air, with filter		13:44	0.2	20.9	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:44	0.2	20.9	0.0	0.0				
5173 / 1 / C / Storage area with filter		14:29	88.9	2.0	6.3	1.4				
5173 / 1 / C / Storage area without filter	14:29	88.9	2.1	6.1	1.9					
5173 / 1 / A / Office area ambient air with filter	9/24/2013	13:43	0.0	20.8	0.0	0.0	40s - 70s	None	1016 - 1018	
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.9	0.0	0.0				
5173 / 1 / A / Office area with filter		14:44	0.3	18.1	1.4	0.0				
5173 / 1 / A / Office area without filter		14:44	0.3	18.0	1.5	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	20.8	0.1	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	20.8	0.0	0.0				
5173 / 1 / B / Firing Range with filter		14:38	1.2	6.7	10.0	0.0				
5173 / 1 / B / Firing Range without filter		14:38	1.2	6.7	10.6	0.0				
5173 / 1 / Storage area ambient air, with filter		13:41	0	20.8	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:41	0	20.8	0.1	0.0				
5173 / 1 / C / Storage area with filter		14:49	113.7	2.0	5.7	1.6				
5173 / 1 / C / Storage area without filter	14:49	113.7	2.0	5.9	2.1					
5173 / 1 / A / Office area ambient air with filter	10/3/2013	13:03	0.0	20.8	0.0	0.0	60s - 70s	0.27 inches	1015 - 1022	
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	20.8	0.0	0.0				
5173 / 1 / A / Office area with filter		13:39	0.0	17.9	2.5	0.0				
5173 / 1 / A / Office area without filter		13:39	0.0	17.9	1.6	0.0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation								
5173 / 1 / Storage area ambient air, with filter		13:18	0	20.9	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:18	0	21.0	0.0	0.0				
5173 / 1 / C / Storage area with filter		13:41	121.1	1.7	5.2	1.5				
5173 / 1 / C / Storage area without filter		13:41	121.1	1.8	5.9	2.0				

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	10/10/2013	13:26	0.0	20.8	0.0	0.0	0	40s - 70s	None	1020 - 1022	
5173 / 1 / A / Office area ambient air without filter		13:26	0.0	20.9	0.0	0.0	0				
5173 / 1 / A / Office area with filter		13:56	0.6	16.2	1.5	0.0	0				
5173 / 1 / A / Office area without filter		13:56	0.6	16.2	1.8	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	20.8	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	20.8	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:01	1.3	6.0	9.7	0.0	0				
5173 / 1 / B / Firing Range without filter		14:01	1.3	5.8	10.4	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:13	0.05	20.6	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:13	0.05	20.6	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:12	91.55	2.4	5.6	1.4	28				
5173 / 1 / C / Storage area without filter		14:12	91.55	1.8	5.2	1.9	39				
5173 / 1 / A / Office area ambient air with filter	10/17/2013	13:14	0.0	20.7	0.1	0.0	0	40s - 50s	0.1 inches	1011 - 1014	
5173 / 1 / A / Office area ambient air without filter		13:14	0.0	20.7	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:53	0.5	16.4	2.5	0.0	0				
5173 / 1 / A / Office area without filter		14:53	0.5	16.3	2.2	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:20	0	20.8	0.1	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:20	0	20.8	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:58	138.6	2.4	4.9	1.4	28				
5173 / 1 / C / Storage area without filter		14:58	138.6	2.2	5.2	1.9	38				
5173 / 1 / A / Office area ambient air with filter	10/24/2013	12:26	0.0	21.0	0.1	0.0	0	30s - 40s	Trace (0.02 inches)	1015 - 1025	
5173 / 1 / A / Office area ambient air without filter		12:26	0.0	20.9	0.0	0.0	0				
5173 / 1 / A / Office area with filter		13:50	3.6	16.2	1.3	0.0	0				
5173 / 1 / A / Office area without filter		13:50	3.6	16.0	2.6	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:43	0	21.2	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:43	0	21.4	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		13:54	223	4.3	2.5	1.0	20				
5173 / 1 / C / Storage area without filter		13:54	223	4.9	4.2	1.3	25				
5173 / 1 / A / Office area ambient air with filter	10/31/2013	13:36	0.0	21.1	0.1	0.0	0	60s	1.25 inches	1000 - 1010	
5173 / 1 / A / Office area ambient air without filter		13:36	0.0	21.1	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:17	1.5	16.6	3.0	0.0	0				
5173 / 1 / A / Office area without filter		15:17	1.5	16.8	2.0	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:13	0.0	21.1	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:13	0.0	21.0	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:21	1.9	10.3	6.6	0.0	0				
5173 / 1 / B / Firing Range without filter		15:21	1.9	10.3	7.0	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:26	0.3	21.1	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:26	0.3	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:26	103.3	7.4	3.7	0.7	14				
5173 / 1 / C / Storage area without filter		15:26	103.3	7.4	3.2	1.0	19				
5173 / 1 / A / Office area ambient air with filter	11/7/2013	12:48	0.0	20.9	0.1	0.0	0	40s	Trace (0.04 inches)	1020 - 1025	
5173 / 1 / A / Office area ambient air without filter		12:48	0.0	21.0	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:04	1.5	15.3	3.4	0.0	0				
5173 / 1 / A / Office area without filter		14:04	1.5	15.2	3.4	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:51	0	21.0	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:51	0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:09	112.3	3.0	3.7	1.0	20				
5173 / 1 / C / Storage area without filter		14:09	112.3	3.0	4.2	1.3	26				
5173 / 1 / A / Office area ambient air with filter	11/12/2013	12:48	0.0	21.1	0.0	0.0	0	20s - 30s	Trace (0.05 inches)	1030 - 1036	
5173 / 1 / A / Office area ambient air without filter		12:48	0.0	21.1	0.0	0.0	0				
5173 / 1 / A / Office area with filter		13:45	1.2	15.3	3.3	0.0	0				
5173 / 1 / A / Office area without filter		13:45	1.2	15.2	3.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:44	0.0	21.2	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:44	0.0	21.3	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		13:52	105.9	3.1	3.4	1.0	20				
5173 / 1 / C / Storage area without filter		13:52	105.9	2.9	3.9	1.3	26				

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
5173 / 1 / A / Office area ambient air with filter	11/20/2013	14:31	0.0	21.2	0.0	0.0	0	20s - 40s	None	1023 - 1026
5173 / 1 / A / Office area ambient air without filter		14:31	0.0	21.2	0.0	0.0	0			
5173 / 1 / A / Office area with filter		14:45	0.0	15.5	3.0	0.0	0			
5173 / 1 / A / Office area without filter		14:45	0.0	15.2	3.4	0.0	0			
5173 / 1 / B / Firing Range ambient air with filter		14:42	0.0	21.2	0.0	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		14:42	0.0	21.2	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter		14:47	0.0	6.7	8.1	0.0	0			
5173 / 1 / B / Firing Range without filter		14:47	0.0	6.4	9.3	0.0	0			
5173 / 1 / Storage area ambient air, with filter		14:35	0.0	21.1	0.1	0.0	0			
5173 / 1 / Storage area ambient air, without filter		14:35	0.0	21.1	0.0	0.0	0			
5173 / 1 / C / Storage area with filter		14:49	133.9	3.2	4.3	0.9	18			
5173 / 1 / C / Storage area without filter		14:49	133.9	2.8	3.7	1.3	28			
5173 / 1 / A / Office area ambient air with filter	11/26/2013	14:10	0.0	21.1	0.0	0.0	0	30s	Trace (0.01 inches)	1013 - 1019
5173 / 1 / A / Office area ambient air without filter		14:10	0.0	21.1	0.0	0.0	0			
5173 / 1 / A / Office area with filter		14:45	0.0	14.6	4.7	0.0	0			
5173 / 1 / A / Office area without filter		14:45	0.0	14.8	3.8	0.0	0			
5173 / 1 / B / Firing Range ambient air with filter		14:15	0.0	20.9	0.1	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		14:15	0.0	21.0	0.1	0.0	0			
5173 / 1 / B / Firing Range with filter		14:51	0.0	6.5	8.8	0.0	0			
5173 / 1 / B / Firing Range without filter		14:51	0.0	6.6	9.1	0.0	0			
5173 / 1 / Storage area ambient air, with filter		13:56	0.0	21.1	0.0	0.0	0			
5173 / 1 / Storage area ambient air, without filter		13:56	0.0	21.2	0.0	0.0	0			
5173 / 1 / C / Storage area with filter		14:57	90.7	2.3	4.2	1.0	19			
5173 / 1 / C / Storage area without filter		14:57	90.7	2.2	3.5	1.3	26			
5173 / 1 / A / Office area ambient air with filter	12/5/2013	13:33	0.1	21.8	0.0	0.0	0	30s - 40s	0.07 inches	1013 - 1016
5173 / 1 / A / Office area ambient air without filter		13:33	0.1	21.7	0.1	0.0	0			
5173 / 1 / A / Office area with filter		15:07	1.2	14.8	3.6	0.0	0			
5173 / 1 / A / Office area without filter		15:07	1.2	14.8	4.0	0.0	0			
5173 / 1 / B / Firing Range ambient air with filter		14:14	0.0	21.4	0.1	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		14:14	0.0	21.5	0.1	0.0	0			
5173 / 1 / B / Firing Range with filter		14:59	1.9	6.6	8.9	0.0	0			
5173 / 1 / B / Firing Range without filter		14:59	1.9	6.6	9.4	0.0	0			
5173 / 1 / Storage area ambient air, with filter		13:25	0.3	21.5	0.0	0.0	0			
5173 / 1 / Storage area ambient air, without filter		13:25	0.3	21.7	0.0	0.0	0			
5173 / 1 / C / Storage area with filter		15:11	189.7	2.8	3.5	0.9	18			
5173 / 1 / C / Storage area without filter		15:11	189.7	2.7	3.5	1.3	26			
5173 / 1 / A / Office area ambient air with filter	12/12/2013	13:59	0.0	21.0	0.1	0.0	0	15 - 20	None	1030 - 1036
5173 / 1 / A / Office area ambient air without filter		13:59	0.0	21.1	0.1	0.0	0			
5173 / 1 / A / Office area with filter		15:52	0.6	18.8	2.5	0.0	0			
5173 / 1 / A / Office area without filter		15:52	0.6	19.2	1.4	0.0	0			
5173 / 1 / B / Firing Range ambient air with filter		14:18	0.0	21.2	0.1	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		14:18	0.0	21.3	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter		14:18	1.6	6.8	8.3	0.0	0			
5173 / 1 / B / Firing Range without filter		14:18	1.6	6.5	9.3	0.0	0			
5173 / 1 / Storage area ambient air, with filter		14:33	0.0	21.5	0.1	0.0	0			
5173 / 1 / Storage area ambient air, without filter		14:33	0.0	21.5	0.0	0.0	0			
5173 / 1 / C / Storage area with filter		15:57	96.2	3.8	2.9	0.3	6			
5173 / 1 / C / Storage area without filter		15:57	96.2	3.7	2.7	0.5	9			
5173 / 1 / A / Office area ambient air with filter	12/19/2013	14:36	0.0	21.6	0.0	0.0	0	30s - 40s	None	1016 - 1018
5173 / 1 / A / Office area ambient air without filter		14:36	0.0	21.5	0.1	0.0	0			
5173 / 1 / A / Office area with filter		15:00	0.6	20.8	0.5	0.0	0			
5173 / 1 / A / Office area without filter		15:00	0.6	20.7	0.6	0.0	0			
5173 / 1 / B / Firing Range ambient air with filter		14:39	0.0	21.6	0.0	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		14:39	0.0	21.6	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter		15:05	0.0	9.0	7.8	0.0	0			
5173 / 1 / B / Firing Range without filter		15:05	0.0	9.1	8.3	0.0	0			
5173 / 1 / Storage area ambient air, with filter		14:23	0.0	21.3	0.0	0.0	0			
5173 / 1 / Storage area ambient air, without filter		14:23	0.0	21.3	0.0	0.0	0			
5173 / 1 / C / Storage area with filter		15:08	116.3	11.8	1.3	0.1	1			
5173 / 1 / C / Storage area without filter		15:08	116.3	11.7	1.8	0.2	3			

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	12/23/2013	12:46	0.0	21.5	0.0	0.0	0	20s - 30s	Trace (0.02 inches)	1026 - 1029	
5173 / 1 / A / Office area ambient air without filter		12:46	0.0	21.5	0.0	0.0	0				
5173 / 1 / A / Office area with filter		13:04	0.0	16.4	4.0	0.0	0				
5173 / 1 / A / Office area without filter		13:04	0.0	16.5	2.7	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:41	0.0	21.6	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:41	0.0	21.6	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		13:10	0.4	11.0	7.0	0.0	0				
5173 / 1 / B / Firing Range without filter		13:10	0.4	10.6	8.3	0.0	0				
5173 / 1 / Storage area ambient air, with filter		12:43	0.0	21.6	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:43	0.0	21.6	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		13:15	126.8	13.2	2.9	0.2	3				
5173 / 1 / C / Storage area without filter		13:15	126.8	13.4	1.8	0.2	4				
5173 / 1 / A / Office area ambient air with filter	1/2/2014	15:48	0.0	22.0	0.0	0.0	0	20 - 30	5.46 inches	1012 - 1026	
5173 / 1 / A / Office area ambient air without filter		15:48	0.0	22.0	0.1	0.0	0				
5173 / 1 / A / Office area with filter		16:25	0.8	21.2	0.2	0.0	0				
5173 / 1 / A / Office area without filter		16:25	0.8	21.1	0.4	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		15:42	0.0	21.5	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		15:42	0.0	21.7	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		16:28	86.4	15.0	0.5	0.0	0.1				
5173 / 1 / C / Storage area without filter		16:28	86.4	14.7	1.4	0.1	3				
5173 / 1 / A / Office area ambient air with filter	1/9/2014	13:35	0.0	21.2	0.0	0.0	0	20s - 30s	1.55 inches	1026 - 1035	
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.3	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:56	3.3	20.7	1.8	0.0	0				
5173 / 1 / A / Office area without filter		14:56	3.3	21.0	0.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:31	0.0	21.2	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:31	0.0	21.2	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation									
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		13:33	0.0	21.1	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:33	0.0	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:00	81.4	10.2	0.8	0.1	3				
5173 / 1 / C / Storage area without filter		15:00	81.4	9.8	1.4	0.2	5				
5173 / 1 / A / Office area ambient air with filter	1/16/2014	12:34	0.0	21.1	0.0	0.0	0	20s - 30s	0.97 inches	1008 - 1019	
5173 / 1 / A / Office area ambient air without filter		12:34	0.0	21.0	0.0	0.0	0				
5173 / 1 / A / Office area with filter		13:13	2.1	21.0	0.4	0.0	0				
5173 / 1 / A / Office area without filter		13:13	2.1	20.9	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:36	0.0	20.9	0	0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:36	0.0	20.9	0	0	0				
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation									
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:37	0.0	20.9	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:37	0.0	20.9	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		13:20	96.1	14.7	1.0	0.1	3				
5173 / 1 / C / Storage area without filter		13:20	96.1	14.6	1.5	0.2	4				
5173 / 1 / A / Office area ambient air with filter	1/23/2014	12:13	0.0	21.5	0.0	0.0	0	5 - 15	Trace	1019 - 1038	
5173 / 1 / A / Office area ambient air without filter		12:13	0.0	21.5	0.0	0.0	0				
5173 / 1 / A / Office area with filter		13:20	2.6	21.2	0.8	0.0	0				
5173 / 1 / A / Office area without filter		13:20	2.6	21.3	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:10	0.0	21.4	0.1	0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:10	0.0	21.4	0	0	0				
5173 / 1 / B / Firing Range with filter		13:13	3.4	18.8	5.3	0.0	0				
5173 / 1 / B / Firing Range without filter		13:13	3.4	18.7	4.7	0.0	0				
5173 / 1 / Storage area ambient air, with filter		12:12	0.0	21.4	0.1	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:12	0.0	21.4	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		13:27	72.8	15.8	0.5	0.1	2				
5173 / 1 / C / Storage area without filter		13:27	72.8	15.7	1.2	0.2	4				
5173 / 1 / A / Office area ambient air with filter	1/28/2014	13:35	0.0	21.8	0.1	0.0	0	5	None	1030 - 1033	
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.8	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:35	0.0	21.1	0.3	0.0	0				
5173 / 1 / A / Office area without filter		14:35	0.0	21.1	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.1	21.3	0	0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.1	21.4	0	0	0				
5173 / 1 / B / Firing Range with filter		14:44	0.0	18.8	3.5	0.0	0				
5173 / 1 / B / Firing Range without filter		14:44	0.0	18.8	4.2	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:19	0.0	21.4	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:19	0.0	21.5	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:50	60.9	15.5	0.7	0.1	1				
5173 / 1 / C / Storage area without filter		14:50	60.9	15.0	1.2	0.2	3				

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID Time (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)					
5173 / 1 / A / Office area ambient air with filter	2/6/2014	13:10	0.0	21.1	0.1	0.0	15 - 25	0.3 inches	1029 - 1032					
5173 / 1 / A / Office area ambient air without filter		13:10	0.0	21.0	0.0	0.0				0				
5173 / 1 / A / Office area with filter		14:00	2.3	21.2	0.1	0.0				0				
5173 / 1 / A / Office area without filter		14:00	2.3	21.1	0.1	0.0				0				
5173 / 1 / B / Firing Range ambient air with filter		13:12	0.0	20.9	0.1	0				0				
5173 / 1 / B / Firing Range ambient air without filter		13:12	0.0	20.9	0	0				0				
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation												
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation												
5173 / 1 / Storage area ambient air, with filter		13:14	0.0	21.0	0.1	0.0				0				
5173 / 1 / Storage area ambient air, without filter		13:14	0.0	21.1	0.1	0.0				0				
5173 / 1 / C / Storage area with filter		14:10	105.9	16.9	1.0	0.1				2				
5173 / 1 / C / Storage area without filter		14:10	105.9	16.8	1.2	0.1				2				
5173 / 1 / A / Office area ambient air with filter	2/13/2014	13:48	0.0	21.2	0.0	0.0	25 - 35	None	1003 - 1018					
5173 / 1 / A / Office area ambient air without filter		13:48	0.0	21.3	0.1	0.0				0				
5173 / 1 / A / Office area with filter		15:30	1.8	20.9	2.4	0.0				0				
5173 / 1 / A / Office area without filter		15:30	1.8	21.2	0.0	0.0				0				
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	21.1	0.1	0.0				0				
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	21.3	0.0	0.0				0				
5173 / 1 / B / Firing Range with filter		15:25	4.1	19.2	2.5	0.0				0				
5173 / 1 / B / Firing Range without filter		15:25	4.1	19.1	3.1	0.0				0				
5173 / 1 / Storage area ambient air, with filter		9:43	0.0	21.0	0.0	0.0				0				
5173 / 1 / Storage area ambient air, without filter		9:43	0.0	21.0	0.0	0.0				0				
5173 / 1 / C / Storage area with filter		9:55	117.4	15.9	0.8	0.1				1				
5173 / 1 / C / Storage area without filter		9:55	117.4	15.8	1.2	0.1				1				
5173 / 1 / A / Office area ambient air with filter	2/20/2014	13:43	0.0	20.8	0.0	0.0	35 - 40	None	1010 - 1014					
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.7	0.0	0.0				0				
5173 / 1 / A / Office area with filter		14:25	0.4	20.5	0.8	0.0				0				
5173 / 1 / A / Office area without filter		14:25	0.4	20.8	0.0	0.0				0				
5173 / 1 / B / Firing Range ambient air with filter		13:44	0.0	20.7	0.1	0.0				0				
5173 / 1 / B / Firing Range ambient air without filter		13:44	0.0	20.7	0.0	0.0				0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation												
5173 / 1 / Storage area ambient air, with filter		13:45	0.0	20.7	0.0	0.0				0				
5173 / 1 / Storage area ambient air, without filter		13:45	0.0	20.7	0.1	0.0				0				
5173 / 1 / C / Storage area with filter		14:32	63.4	16.5	1.0	0.0				0				
5173 / 1 / C / Storage area without filter		14:32	63.4	16.5	1.2	0.1				2				
5173 / 1 / A / Office area ambient air with filter		2/27/2014	12:56	0.0	21.2	0.0				0.0	15 - 25	Trace	1008 - 1024	
5173 / 1 / A / Office area ambient air without filter	12:56		0.0	21.2	0.0	0.0	0							
5173 / 1 / A / Office area with filter	13:25		0.9	21.1	0.0	0.0	0							
5173 / 1 / A / Office area without filter	13:25		0.9	21.1	0.1	0.0	0							
5173 / 1 / B / Firing Range ambient air with filter	12:54		0.0	21.3	0.1	0.0	0							
5173 / 1 / B / Firing Range ambient air without filter	12:54		0.0	21.3	0.0	0.0	0							
5173 / 1 / B / Firing Range	Inaccessible due to Firing Range operation													
5173 / 1 / Storage area ambient air, with filter	12:52		0.0	21.2	0.0	0.0	0							
5173 / 1 / Storage area ambient air, without filter	12:52		0.0	21.3	0.1	0.0	0							
5173 / 1 / C / Storage area with filter	13:32		64.0	16.5	2.3	0.1	1							
5173 / 1 / C / Storage area without filter	13:32		64.0	16.6	1.1	0.2	3							
5173 / 1 / A / Office area ambient air with filter	3/6/2014		13:40	0.0	20.9	0.0	0.0	35 - 45	None	1020 - 1029				
5173 / 1 / A / Office area ambient air without filter		13:40	0.0	20.9	0.0	0.0	0							
5173 / 1 / A / Office area with filter		14:40	0.2	20.7	0.3	0.0	0							
5173 / 1 / A / Office area without filter		14:40	0.2	20.6	0.2	0.0	0							
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation												
5173 / 1 / Storage area ambient air, with filter		13:50	0.0	20.9	0.0	0.0	0							
5173 / 1 / Storage area ambient air, without filter		13:50	0.0	20.9	0.0	0.0	0							
5173 / 1 / C / Storage area with filter		15:00	57.1	16.0	1.2	0.1	2							
5173 / 1 / C / Storage area without filter		15:00	57.1	15.8	1.2	0.1	3							
5173 / 1 / A / Office area ambient air with filter		4/2/2014	12:44	0.0	21.4	0.1	0.0				50s	Trace (0.15 inches)	1020	
5173 / 1 / A / Office area ambient air without filter			12:44	0.0	21.4	0.0	0.0							0
5173 / 1 / A / Office area with filter			1.0	21.4	0.1	0.0	0							0
5173 / 1 / A / Office area without filter	1.0		21.4	0.0	0.0	0	0							
5173 / 1 / B / Firing Range ambient air with filter	12:42		0.1	21.4	0.1	0.0	0							
5173 / 1 / B / Firing Range ambient air without filter	12:42		0.1	21.4	0.1	0.0	0							
5173 / 1 / B / Firing Range	Inaccessible due to Firing Range operation													
5173 / 1 / Storage area ambient air, with filter	12:40		0.1	21.3	0.2	0.0	0							
5173 / 1 / Storage area ambient air, without filter	12:40		0.1	21.3	0.1	0.0	0							
5173 / 1 / C / Storage area with filter	65.3		16.3	1.2	0.1	1	1							
5173 / 1 / C / Storage area without filter	65.3		16.4	1.0	0.1	2	2							

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID Time	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	5/8/2014 ⁽³⁾	15:05	0.0	20.6	0.0	0.0	75-85	None	1013-1017	
5173 / 1 / A / Office area ambient air without filter		15:05	0.0	20.6	0.0	0.0				
5173 / 1 / A / Office area with filter		15:55	0.1	20.5	0.0	0.0				
5173 / 1 / A / Office area without filter		15:55	0.1	20.5	0.0	0.0				
5173 / 1 / B / Firing Range ambient air with filter		14:50	0.0	19.9	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		14:50	0.0	20.0	0.0	0.0				
5173 / 1 / B / Firing Range with filter		15:49	2.0	18.1	1.9	0.0				
5173 / 1 / B / Firing Range without filter		15:49	2.0	18.1	2.1	0.0				
5173 / 1 / Storage area ambient air, with filter		14:57	0.0	20.3	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		14:57	0.0	20.3	0.0	0.0				
5173 / 1 / C / Storage area with filter		15:58	51.1	18.2	0.8	0.0				
5173 / 1 / C / Storage area without filter		15:58	51.1	18.2	1.2	0.0				
5173 / 1 / A / Office area ambient air with filter	6/3/2014	12:17	0.0	20.8	0.0	0.0	75-85	Trace	1011-1014	
5173 / 1 / A / Office area ambient air without filter		12:17	0.0	20.8	0.0	0.0				
5173 / 1 / A / Office area with filter		12:32	0.3	21.0	0.0	0.0				
5173 / 1 / A / Office area without filter		12:32	0.3	21.1	0.0	0.0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation								
5173 / 1 / Storage area ambient air, with filter		12:43	0.1	21.1	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		12:43	0.1	21.1	0.0	0.0				
5173 / 1 / C / Storage area with filter		12:50	30.9	16.9	2.3	0.0				
5173 / 1 / C / Storage area without filter	12:50	30.9	16.8	2.5	0.1	2				
5173 / 1 / A / Office area ambient air with filter	7/17/2014	13:32	0.0	20.5	0.0	0.0	70-75	None	1016-1020	
5173 / 1 / A / Office area ambient air without filter		13:32	0.0	20.6	0.0	0.0				
5173 / 1 / A / Office area with filter		15:49	0.0	20.2	0.1	0.0				
5173 / 1 / A / Office area without filter		15:49	0.0	20.3	0.0	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:20	0.2	20.6	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:20	0.2	20.7	0.0	0.0				
5173 / 1 / B / Firing Range with filter		15:53	4.0	16.2	3.1	0.0				
5173 / 1 / B / Firing Range without filter		15:53	4.0	16.2	3.3	0.0				
5173 / 1 / Storage area ambient air, with filter		13:45	0.0	20.9	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:45	0.0	20.9	0.0	0.0				
5173 / 1 / C / Storage area with filter		16:19	43.2	15.8	2.5	0.0				
5173 / 1 / C / Storage area without filter		16:19	43.2	15.7	2.7	0.0				1
5173 / 1 / A / Office area ambient air with filter	8/14/2014	13:35	0.0	20.9	0.0	0.0	70-80	None	1014-1017	
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.0	0.0	0.0				
5173 / 1 / A / Office area with filter		15:13	0.8	20.9	0.0	0.0				
5173 / 1 / A / Office area without filter		15:13	0.8	20.9	0.0	0.0				
5173 / 1 / B / Firing Range ambient air with filter		13:08	0.2	20.9	0.0	0.0				
5173 / 1 / B / Firing Range ambient air without filter		13:08	0.2	20.9	0.0	0.0				
5173 / 1 / B / Firing Range with filter		15:08	4.7	16.9	3.2	0.0				
5173 / 1 / B / Firing Range without filter		15:08	4.7	16.9	3.4	0.0				
5173 / 1 / Storage area ambient air, with filter		13:22	0.3	21.0	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:22	0.3	21.0	0.0	0.0				
5173 / 1 / C / Storage area with filter		15:18	51.9	16.6	2.8	0.0				
5173 / 1 / C / Storage area without filter		15:18	51.9	16.6	2.9	0.0				0
5173 / 1 / A / Office area ambient air with filter	10/9/2014		0.0	20.7	0.1	0.0	50s	0.3 inches	1017-1021	
5173 / 1 / A / Office area ambient air without filter			0.0	20.7	0.0	0.0				
5173 / 1 / A / Office area with filter		13:23	0.0	20.6	0.1	0.0				
5173 / 1 / A / Office area without filter		13:23	0.0	20.6	0.3	0.0				
5173 / 1 / B / Firing Range ambient air with filter			0.0	20.7	0.2	0.0				
5173 / 1 / B / Firing Range ambient air without filter			0.0	20.7	0.1	0.0				
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation								
5173 / 1 / B / Firing Range without filter										
5173 / 1 / Storage area ambient air, with filter			0.0	20.7	0.2	0.0				
5173 / 1 / Storage area ambient air, without filter			0.0	20.6	0.2	0.0				
5173 / 1 / C / Storage area with filter		13:29	60.4	18.3	1.5	0.0				
5173 / 1 / C / Storage area without filter		13:29	60.4	18.1	1.7	0.0				0
5173 / 1 / A / Office area ambient air with filter	11/26/2014	13:00	0.0	21.5	0.0	0.0	30-35	None	1018-1023	
5173 / 1 / A / Office area ambient air without filter		13:00	0.0	21.5	0.0	0.0				
5173 / 1 / A / Office area with filter		14:05	0.6	21.7	0.0	0.0				
5173 / 1 / A / Office area without filter		14:05	0.6	21.8	0.0	0.0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation								
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.4	0.0	0.0				
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.4	0.0	0.0				
5173 / 1 / C / Storage area with filter		14:10	23.2	21.1	0.2	0.0				
5173 / 1 / C / Storage area without filter		14:10	23.2	21.1	0.4	0.0				0

Table 1

Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:			PID	O ₂	CO ₂	CH ₄	LEL	Ambient	Summary of Recent	Barometric	
Parcel / Building / Probe	Date:	Time	(ppm)	(%)	(%)	(%)	(%)	Temperature (°F)	Precipitation	Pressure (hPa)	
5173 / 1 / A / Office area ambient air with filter	2/6/2015	14:05	0.0	21.4	0.0	0.0	0	25-35	None	1022 - 1030	
5173 / 1 / A / Office area ambient air without filter		14:05	0.0	21.4	0.0	0.0	0				
5173 / 1 / A / Office area with filter			0.0	21.2	1.8	0.0	0				
5173 / 1 / A / Office area without filter			0.0	21.1	2.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation / Gas probe damaged per site personnel notification									
5173 / 1 / Storage area ambient air, with filter		14:19	0.1	21.7	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		14:19	0.1	21.7	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		16:33	11.7	20.5	0.5	0.1	3				
5173 / 1 / C / Storage area without filter		16:33	11.7	20.6	0.5	0.1	3				
5173 / 1 / A / Office area ambient air with filter		5/20/2015	14:43	0.0	20.8	0.0	0.0				0
5173 / 1 / A / Office area ambient air without filter	14:43		0.0	20.9	0.1	0.0	0				
5173 / 1 / A / Office area with filter	16:35		0.4	20.9	0.4	0.0	0				
5173 / 1 / A / Office area without filter	16:35		0.4	21.1	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter	13:47		0.0	21.0	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	13:47		0.0	21.0	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter	16:33		4.7	18.8	1.8	0.0	0				
5173 / 1 / B / Firing Range without filter	16:33		4.7	18.9	1.7	0.0	0				
5173 / 1 / Storage area ambient air, with filter	14:02		0.0	21.0	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter	14:02		0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	16:54	12.3	18.8	0.8	0.0	0					
5173 / 1 / C / Storage area without filter	16:54	12.3	18.7	0.9	0.0	0					
5173 / 1 / A / Office area ambient air with filter	8/20/2015	10:55	0.0	20.1	0.0	0.0	0	65-70	Trace	1009 - 1017	
5173 / 1 / A / Office area ambient air without filter		10:55	0.0	20.2	0.0	0.0	0				
5173 / 1 / A / Office area with filter		14:39	0.0	20.0	0.0	0.0	0				
5173 / 1 / A / Office area without filter		14:39	0.0	20.2	0.0	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		10:36	0.9	20.2	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		10:36	0.9	20.1	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:43	4.7	17.8	1.5	0.0	0				
5173 / 1 / C / Storage area without filter		14:43	4.7	17.7	1.7	0.0	0				
5173 / 1 / A / Office area ambient air with filter		11/5/2015	14:06	0.0	21.0	0.0	0.0				0
5173 / 1 / A / Office area ambient air without filter	14:06		0.0	21.0	0.0	0.0	0				
5173 / 1 / A / Office area with filter	14:57		0.7	20.8	0.3	0.0	0				
5173 / 1 / A / Office area without filter	14:57		0.7	20.7	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter	13:43		0.0	20.8	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	13:43		0.0	20.8	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter	15:05		2.8	19.7	0.4	0.0	0				
5173 / 1 / B / Firing Range without filter	15:05		2.8	19.4	1.3	0.0	0				
5173 / 1 / Storage area ambient air, with filter	13:48		0.0	20.8	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter	13:48		0.0	20.8	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	15:10	3.7	19.3	0.4	0.0	0					
5173 / 1 / C / Storage area without filter	15:10	3.7	19.1	0.9	0.0	0					
5173 / 1 / A / Office area ambient air with filter	1/28/2016	14:04	0.0	21.7	0.1	0.0	0	35-45	Trace	1005 - 1012	
5173 / 1 / A / Office area ambient air without filter		14:04	0.0	21.7	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:31	1.0	21.7	0.2	0.0	0				
5173 / 1 / A / Office area without filter		14:31	1.0	21.7	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:45	0.0	21.8	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:45	0.0	21.9	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:27	2.6	21	0.3	0.2	0				
5173 / 1 / B / Firing Range without filter		14:27	2.6	20.9	0.9	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:52	0.0	21.7	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:52	0.0	21.7	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	14:35	3.7	20.6	0.4	0.0	0					
5173 / 1 / C / Storage area without filter	14:35	3.7	20.5	0.5	0.0	0					

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range

^[3] - CO₂ readings started at 0.1 ppm.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

Source of weather data for July to September 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_state=&req_state_name=&reqdb.zip=&reqdb.magic=&reqdb.wmo=

Table 2

**GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	11/9/2012	13:54	--	4.1	10.6	0.0	0	30s - 40s	none		
GP-2 (12') with filter		--	--	5.6	9.1	0.0	0				
GP-2 (16') without filter		--	--	2.0	11.6	0.0	0				
GP-2 (16') with filter		--	--	4.6	10.0	0.0	0				
GP-2 (12') without filter	11/15/2012	15:04	0.0	2.4	10.8	0.0	0	30s - 40s	none		
GP-2 (12') with filter		--	0.0	2.3	10.3	0.0	0				
GP-2 (16') without filter		15:09	0.0	1.0	11.8	0.0	0				
GP-2 (16') with filter		--	0.0	0.9	11.4	0.0	0				
GP-2 (12') without filter	11/20/2012	14:35	0.0	2.2	11.3	0.0	0	50s	Trace		
GP-2 (12') with filter		--	0.0	2.1	11.0	0.0	0				
GP-2 (16') without filter		14:40	0.0	0.9	12.1	0.0	0				
GP-2 (16') with filter		--	0.0	0.8	11.9	0.0	0				
GP-2 (12') without filter	11/29/2012	13:53	0.0	4.3	11.0	0.0	0	40s - 50s	none		
GP-2 (12') with filter		--	0.0	4.7	11.2	0.0	0				
GP-2 (16') without filter		13:58	0.0	2.1	12.1	0.0	0				
GP-2 (16') with filter		13:58	0.0	2.0	11.9	0.0	0				
GP-2 (12') without filter	12/4/2012	16:03	0.0	6.6	9.6	0.0	0	50s	rainy (~0.3 inches)		
GP-2 (12') with filter		--	0.0	6.7	8.5	0.0	0				
GP-2 (16') without filter		16:08	--	6.1	10.3	0.0	0				
GP-2 (16') with filter		--	--	6.4	9.2	0.0	0				
GP-2 (12') without filter	12/13/2012	13:44	0.0	6.6	9.7	0.0	0	40s	none		
GP-2 (12') with filter		--	0.0	6.9	9.3	0.1 U	2 U				
GP-2 (16') without filter		13:39	0.0	3.7	11.8	0.0	0				
GP-2 (16') with filter		--	0.0	4.1	10.2	0.1 U	2 U				
GP-2 (12') without filter	12/18/2012	13:30	0.0	8.2	9.2	0.0	0	40s	none		
GP-2 (12') with filter		--	0.0	8.1	8.9	0.0	1 ^[1]				
GP-2 (16') without filter		--	0.0	5.8	10.8	0.0	0				
GP-2 (16') with filter		--	0.0	5.7	10.4	0.0	1 ^[1]				
GP-2 (12') without filter	1/24/2013	15:34	0.0	19.9	2.6	0.0	0.0	20s	none		
GP-2 (12') with filter		15:34	0.0	18.6	2.2	0.0	0.0				
GP-2 (16') without filter		15:40	0.0	15.3	7.7	0.0	0.0				
GP-2 (16') with filter		15:40	0.0	16.9	1.6	0.0	0.0				
GP-2 (12') without filter	1/31/2013	13:50	0.0	17.5	5.0	0.0	0.0	10s - 20s	none		
GP-2 (12') with filter		13:50	0.0	17.1	4.2	0.0	0.0				
GP-2 (16') without filter		13:55	0.0	16.8	5.0	0.0	0.0				
GP-2 (16') with filter		13:55	0.0	17.2	3.4	0.0	0.0				
GP-2 (12') without filter	2/7/2013	15:14	0.0	15.4	5.4	0.0	0.0	20s - 50s	none		
GP-2 (12') with filter		15:14	0.0	16.0	3.5	0.0	0.0				
GP-2 (16') without filter		15:17	0.0	15.0	6.4	0.0	0.0				
GP-2 (16') with filter		15:17	0.0	15.3	4.5	0.0	0.0				
GP-2 (12') without filter	2/12/2013	12:30	0.1	9.2	8.8	0.0	0.0	30s - 40s	none		
GP-2 (12') with filter		12:30	0.1	9.7	8.4	0.0	0.0				
GP-2 (16') without filter		12:45	0.0	7.5	9.1	0.0	0.0				
GP-2 (16') with filter		12:45	0.0	6.9	8.2	0.0	0.0				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	2/21/2013	13:45	0.0	8.8	8.5	0.0	0.0	20s	trace		
GP-2 (12') with filter		13:45	0.0	9.1	8.0	0.0	0.0				
GP-2 (16') without filter		13:50	0.0	6.9	7.0	0.0	0.0				
GP-2 (16') with filter		13:50	0.0	7.0	6.7	0.0	0.0				
GP-2 (12') without filter	2/28/2013	12:45	0.0	15.8	4.9	0.0	0.0	30s - 40s	~1 inch		
GP-2 (12') with filter		12:45	0.0	15.8	5.1	0.0	0.0				
GP-2 (16') without filter		12:49	0.0	13.6	6.2	0.0	0.0				
GP-2 (16') with filter		12:49	0.0	13.5	6.2	0.0	0.0				
GP-2	3/7/2013	Inaccessible due to snow cover from road plow activity						30s	None		
GP-2 (12') without filter	3/14/2013	13:45	0.0	16.2	4.3	0.0	0.0	20s - 40s	None		
GP-2 (12') with filter		13:45	0.0	16.1	4.4	0.0	0.0				
GP-2 (16') without filter		13:53	0.0	13.9	6.1	0.0	0.0				
GP-2 (16') with filter		13:53	0.0	13.9	6.2	0.0	0.0				
GP-2 (12') without filter	3/21/2013	12:20	0.0	15.9	3.8	0.0	0.0	20s - 30s	Trace		
GP-2 (12') with filter		12:20	0.0	15.9	3.9	0.0	0.0				
GP-2 (16') without filter		12:26	0.0	14.2	5.7	0.0	0.0				
GP-2 (16') with filter		12:26	0.0	14.1	5.9	0.0	0.0				
GP-2 (12') without filter	3/28/2013	12:10	0.0	14.6	6.1	0.0	0.0	30s - 40s	None		
GP-2 (12') with filter		12:10	0.0	14.4	6.3	0.0	0.0				
GP-2 (16') without filter		12:15	0.0	12.9	7.4	0.0	0.0				
GP-2 (16') with filter		12:15	0.0	12.9	7.5	0.0	0.0				
GP-2 (12') without filter	4/4/2013	14:04	0.0	15.7	5.2	0.0	0.0	30s - 50s	None		
GP-2 (12') with filter		14:04	0.0	15.6	5.1	0.0	0.0				
GP-2 (16') without filter		14:11	0.0	13.8	6.0	0.0	0.0				
GP-2 (16') with filter		14:11	0.0	13.8	6.1	0.0	0.0				
GP-2 (12') without filter	4/9/2013	13:56	0.0	13.9	5.2	0.0	0.0	50s - 80s	None		
GP-2 (12') with filter		13:56	0.0	13.8	5.5	0.0	0.0				
GP-2 (16') without filter		14:03	0.0	12.2	5.9	0.0	0.0				
GP-2 (16') with filter		14:03	0.0	12.2	6.0	0.0	0.0				
GP-2 (12') without filter	4/18/2013	13:48	0.0	14.7	6.1	0.0	0.0	60s - 80s	None		
GP-2 (12') with filter		13:48	0.0	14.7	6.0	0.0	0.0				
GP-2 (16') without filter		13:54	0.0	13.2	7.4	0.0	0.0				
GP-2 (16') with filter		13:54	0.0	13.3	7.2	0.0	0.0				
GP-2 (12') without filter	4/23/2013	14:45	0.0	16.3	3.8	0.0	0.0	50s - 60s	None		
GP-2 (12') with filter		14:45	0.0	16.8	0.8	0.0	0.0				
GP-2 (16') without filter		14:48	0.0	15.9	4.2	0.0	0.0				
GP-2 (16') with filter		14:48	0.0	16.3	2.9	0.0	0.0				
GP-2 (12') without filter	4/30/2013	14:45	0.0	16.8	3.4	0.0	0.0	40s - 70s	None		
GP-2 (12') with filter		14:45	0.0	17.0	0.9	0.0	0.0				
GP-2 (16') without filter		14:50	0.0	16.3	3.9	0.0	0.0				
GP-2 (16') with filter		14:50	0.0	16.7	1.6	0.0	0.0				
GP-2 (12') without filter	5/9/2013	14:41	0.0	14.8	3.3	0.0	0.0	50s - 70s	None		
GP-2 (12') with filter		14:41	0.0	14.9	0.9	0.0	0.0				
GP-2 (16') without filter		14:45	0.0	14.1	3.8	0.0	0.0				
GP-2 (16') with filter		14:45	0.0	14.5	1.5	0.0	0.0				

Table 2

**GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	5/16/2013	13:25	0.0	15.3	4.1	0.0	0.0	40s - 80s	~1 inch		
GP-2 (12') with filter		13:25	0.0	15.3	4.0	0.0	0.0				
GP-2 (16') without filter		13:32	0.0	13.9	4.8	0.0	0.0				
GP-2 (16') with filter		13:32	0.0	13.9	4.8	0.0	0.0				
GP-2 (12') without filter	5/21/2013	15:29	0.0	13.7	3.8	0.0	0.0	40s - 80s	~0.2 inch		
GP-2 (12') with filter		15:29	0.0	13.8	3.2	0.0	0.0				
GP-2 (16') without filter		15:32	0.0	12.7	4.5	0.0	0.0				
GP-2 (16') with filter		15:32	0.0	12.8	3.0	0.0	0.0				
GP-2 (12') without filter	5/30/2013	13:20	0.0	15.8	3.8	0.0	0.0	50s - 80s	~1.3 inch		
GP-2 (12') with filter		13:20	0.0	15.8	3.9	0.0	0.0				
GP-2 (16') without filter		13:25	0.0	13.1	5.1	0.0	0.0				
GP-2 (16') with filter		13:25	0.0	13.0	5.3	0.0	0.0				
GP-2 (12') without filter	6/6/2013	14:50	0.0	16.3	4.6	0.0	0.0	60s	0.25 inch		
GP-2 (12') with filter		14:50	0.0	16.2	4.9	0.0	0.0				
GP-2 (16') without filter		15:00	0.0	14.7	6.0	0.0	0.0				
GP-2 (16') with filter		15:00	0.0	14.7	6.2	0.0	0.0				
GP-2 (12') without filter	6/13/2013	16:05	0.0	8.2	5.4	0.0	0.0	60s - 80s	1.55 inch		
GP-2 (12') with filter		16:05	0.0	7.5	5.4	0.0	0.0				
GP-2 (16') without filter		16:10	--	5.2	6.6	0.0	0.0				
GP-2 (16') with filter		16:10	--	5.1	6.4	0.0	0.0				
GP-2 (12') without filter	6/20/2013	--	0.0	8.0	6.1	0.0	0.0	50s - 80s	None		
GP-2 (12') with filter		--	0.0	8.3	5.9	0.0	0.0				
GP-2 (16') without filter		--	--	5.3	6.5	0.0	0.0				
GP-2 (16') with filter		--	--	5.6	6.0	0.0	0.0				
GP-2 (12') without filter	6/27/2013	14:06	0.6	15.9	1.5	0.0	0.0	70s - 80s	Trace		
GP-2 (12') with filter		14:06	0.6	16.3	0.2	0.0	0.0				
GP-2 (16') without filter		14:11	43.6	3.7	2.6	1.6	30				
GP-2 (16') with filter		14:11	43.6	2.1	3.6	1.0	20				
GP-2 (12') without filter	7/3/2013	13:18	23.5	6.9	4.9	1.4	28	60s - 80s	Trace		
GP-2 (12') with filter		13:18	23.5	7.5	3.4	0.7	13				
GP-2 (16') without filter		13:22	59.6	1.9	7.1	5.8	>100				
GP-2 (16') with filter		13:22	59.6	1.6	6.9	1.8	36				
GP-2 (12') without filter	7/11/2013	14:45	40.4	4.0	6.5	6.5	>100	60s - 70s	None		
GP-2 (12') with filter		14:45	40.4	4.0	4.9	3.4	68				
GP-2 (16') without filter		14:51	55.6	4.6	6.2	11.2	>100				
GP-2 (16') with filter		14:51	55.6	3.9	5.0	2.2	44				
GP-2 (12') without filter	7/18/2013	14:35	20.4	17.7	1.2	0.5	10	70s - 90s	None		
GP-2 (12') with filter		14:35	20.4	17.7	1.0	0.2	5				
GP-2 (16') without filter		14:41	44.3	1.9	7.4	5.1	>100				
GP-2 (16') with filter		14:41	44.3	4.7	1.8	1.8	36				
GP-2 (12') without filter	7/25/2013	14:15	38.7	4.8	6.5	3.8	75	50s - 70s	None		
GP-2 (12') with filter		14:15	38.7	4.7	6.1	3.0	60				
GP-2 (16') without filter		14:20	48.3	4.4	7.9	4.0	80				
GP-2 (16') with filter		14:20	48.3	4.2	8.3	3.3	65				
GP-2 (12') without filter	8/1/2013	14:00	83.5	8.1	5.3	1.4	28	60s - 80s	None		
GP-2 (12') with filter		14:00	83.5	6.2	4.9	1.1	21				
GP-2 (16') without filter		14:05	89.8	4.1	7.3	2.8	55				
GP-2 (16') with filter		14:05	89.8	3.1	7.2	1.8	35				

Table 2

**GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	8/6/2013	14:06	10.5	3.9	7.6	1.3	27	60s - 80s	None		
GP-2 (12') with filter		14:06	10.5	3.7	5.9	1.0	21				
GP-2 (16') without filter		14:10	31.6	4.3	7.4	2.5	51				
GP-2 (16') with filter		14:10	31.6	3.1	6.1	1.7	34				
GP-2 (12') without filter	8/15/2013	13:35	16.6	7.9	3.1	2.0	40	40s - 70s	None		
GP-2 (12') with filter		13:35	16.6	7.7	3.3	1.6	32				
GP-2 (16') without filter		13:40	20.6	1.5	6.2	2.2	44				
GP-2 (16') with filter		13:40	20.6	1.4	7.5	2.0	40				
GP-2 (12') without filter	8/22/2013	14:41	33.9	3.2	8.0	2.3	47	60s - 80s	Trace (0.06 in.)		
GP-2 (12') with filter		14:41	33.9	3.2	8.4	2.0	41				
GP-2 (16') without filter		14:45	55.0	1.8	8.5	4.3	87				
GP-2 (16') with filter		14:45	55.0	1.6	8.3	2.0	41				
GP-2 (12') without filter	8/27/2013	14:21	22.8	2.5	8.4	3.7	74	70s - 80s	None		
GP-2 (12') with filter		14:21	22.8	2.6	8.9	1.9	39				
GP-2 (16') without filter		14:26	39.5	2.3	8.7	7.9	>100				
GP-2 (16') with filter		14:26	39.5	2.2	9.0	6.1	>100				
GP-2 (12') without filter	9/5/2013	-	31.3	2.2	8.7	7.0	>100	50s - 80s	None		
GP-2 (12') with filter		-	31.3	2.3	6.9	3.0	58				
GP-2 (16') without filter		-	39.0	3.1	8.3	8.4	>100				
GP-2 (16') with filter		-	39.0	3.7	6.5	2.8	56				
GP-2	9/12/2013	Inaccessible due to high water/flood conditions						60s - 80s	0.29 inches		
GP-2 (12') without filter	9/20/2013		24.7	2.6	8.7	3.2	65	60s - 80s	0.6 inches	1009 - 1013	
GP-2 (12') with filter			24.7	2.1	8.1	1.8	34				
GP-2 (16') without filter			40.4	1.4	9.6	7.0	>100				
GP-2 (16') with filter			40.4	1.5	8.9	2.1	42				
GP-2 (12') without filter	9/24/2013	14:27	55.7	1.8	9.6	3.6	71	40s - 70s	None	1016 - 1018	
GP-2 (12') with filter		14:27	55.7	1.9	9.2	3.3	67				
GP-2 (16') without filter		14:33	68.4	1.5	10.0	4.3	86				
GP-2 (16') with filter		14:33	68.4	1.6	10.6	3.9	78				
GP-2 (12') without filter	10/3/2013	13:27	0.9	6.8	7.2	1.3	25	60s - 70s	0.27 inches	1015 - 1022	
GP-2 (12') with filter		13:27	0.9	6.9	5.8	1.1	17				
GP-2 (16') without filter		13:35	53.6	3.6	8.9	2.2	44				
GP-2 (16') with filter		13:35	53.6	3.3	7.5	1.4	27				
GP-2 (12') without filter	10/10/2013	13:41	18.6	0.7	10.3	1.9	38	40s - 70s	None	1020 - 1022	
GP-2 (12') with filter		13:41	18.6	0.5	10.2	1.3	27				
GP-2 (16') without filter		13:47	22.6	0.9	10.3	1.9	39				
GP-2 (16') with filter		13:47	22.6	1.7	9.0	1.2	25				
GP-2 (12') without filter	10/17/2013	14:46	22.8	1.2	10.5	1.4	28	40s - 50s	0.1 inches	1011 - 1014	MW-7: 18.56 MW-8: 18.70 MW-11: 20.31 MW-12: 20.39
GP-2 (12') with filter		14:46	22.8	7.5	6.8	0.8	16				
GP-2 (16') without filter		14:50	23.1	1.3	10.6	1.5	29				
GP-2 (16') with filter		14:50	23.1	1.5	10.1	1.2	23				
GP-2 (12') without filter	10/24/2013	13:42	0.0	1.5	10.9	0.0	0	30s - 40s	Trace (0.02 inches)	1015 - 1025	MW-7: 18.69 MW-8: 18.83 MW-11: 20.66 MW-12: 20.44
GP-2 (12') with filter		13:42	0.0	1.6	10.2	0.0	0				
GP-2 (16') without filter		13:47	5.6	4.6	9.6	0.0	0				
GP-2 (16') with filter		13:47	5.6	4.9	8.6	0.0	0				
GP-2 (12') without filter	10/31/2013	15:07	0.0	6.3	8.2	0.0	0	60s	1.25 inches	1000 - 1010	MW-7: 18.71 MW-8: 18.87 MW-11: 20.69 MW-12: 20.47
GP-2 (12') with filter		15:07	0.0	6.4	7.3	0.0	0				
GP-2 (16') without filter		15:13	1.1	6.4	8.3	0.0	0				
GP-2 (16') with filter		15:13	1.1	6.7	7.5	0.0	0				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12") without filter	11/7/2013	13:45	0.0	4.6	9.5	0.0	0	40s	Trace (0.04 inches)	1020 - 1025	MW-7: 18.43
GP-2 (12") with filter		13:45	0.0	4.1	7.9	0.0	0				MW-8: 18.57
GP-2 (16") without filter		13:51	0.0	2.6	10.7	0.0	0				MW-11: 20.28
GP-2 (16") with filter		13:51	0.0	2.6	10.2	0.0	0				MW-12: 20.13
GP-2 (12") without filter	11/12/2013	13:32	0.0	5.8	9.5	0.0	0	20s - 30s	Trace (0.05 inches)	1030 - 1036	MW-7: 18.28
GP-2 (12") with filter		13:32	0.0	6.2	8.6	0.0	0				MW-8: 18.37
GP-2 (16") without filter		13:38	0.0	5.4	9.6	0.0	0				MW-11: 20.02
GP-2 (16") with filter		13:38	0.0	5.3	8.6	0.0	0				MW-12: 19.86
GP-2 (12") without filter	11/20/2013	14:10	0.0	4.5	10.1	0.0	0	20s - 40s	None	1023 - 1026	MW-7: 18.27
GP-2 (12") with filter		14:10	0.0	5.0	8.3	0.0	0				MW-8: 18.40
GP-2 (16") without filter		14:15	0.0	3.5	10.4	0.0	0				MW-11: 20.24
GP-2 (16") with filter		14:15	0.0	4.0	9.8	0.0	0				MW-12: 20.02
GP-2 (12") without filter	11/26/2013	14:35	0.0	3.4	10.4	0.1	1	30s	Trace (0.01 inches)	1013 - 1019	MW-7: 18.10
GP-2 (12") with filter		14:35	0.0	3.4	9.5	0.0	0				MW-8: 18.25
GP-2 (16") without filter		14:39	0.0	3.3	10.7	0.1	1				MW-11: 20.07
GP-2 (16") with filter		14:39	0.0	3.3	10.6	0.1	1				MW-12: 19.85
GP-2 (12") without filter	12/5/2013	14:44	0.0	6.5	9.7	0.0	0	30s - 40s	0.07 inches	1013 - 1016	MW-7: 18.38
GP-2 (12") with filter		14:44	0.0	6.6	8.7	0.0	0				MW-8: 18.52
GP-2 (16") without filter		14:49	0.0	7.3	9.1	0.0	0				MW-11: 20.35
GP-2 (16") with filter		14:49	0.0	7.4	8.3	0.0	0				MW-12: 20.13
GP-2 (12") without filter	12/12/2013	15:45	0.0	9.9	8.5	0.0	0	15 - 20	None	1030 - 1036	MW-7: 18.45
GP-2 (12") with filter		15:45	0.0	9.7	8.3	0.0	0				MW-8: 18.60
GP-2 (16") without filter		15:49	0.0	7.3	10.4	0.0	0				MW-11: 20.42
GP-2 (16") with filter		15:49	0.0	6.9	9.8	0.0	0				MW-12: 20.20
GP-2 (12") without filter	12/19/2013	14:48	0.0	10.8	7.8	0.0	0	30s - 40s	None	1016 - 1018	MW-7: 18.39
GP-2 (12") with filter		14:48	0.0	11.0	6.8	0.0	0				MW-8: 18.54
GP-2 (16") without filter		14:51	0.0	9.0	8.9	0.0	0				MW-11: 20.37
GP-2 (16") with filter		14:51	0.0	9.6	7.9	0.0	0				MW-12: 20.21
GP-2 (12") without filter	12/23/2013	11:20	0.0	8.1	7.9	0.0	0	20s - 30s	Trace (0.02 inches)	1026 - 1029	MW-7: 15.63
GP-2 (12") with filter		11:20	0.0	8.1	6.9	0.0	0				MW-8: 15.72
GP-2 (16") without filter		11:27	0.0	5.8	10.4	0.0	0				MW-11: 17.45
GP-2 (16") with filter		11:27	0.0	7.6	8.7	0.0	0				MW-12: 17.32
GP-2 (12") without filter	1/2/2014	16:20	0.0	21.5	0.1	0.0	0	20s - 30s	5.46 inches	1012 - 1026	MW-7: 15.24
GP-2 (12") with filter		16:20	0.0	18.2	0.3	0.0	0				MW-8: 15.39
GP-2 (16") without filter		16:24	0.0	21.4	0.3	0.0	0				MW-11: 17.21
GP-2 (16") with filter		16:24	0.0	21.5	0.3	0.0	0				MW-12: 16.98
GP-2 (12") without filter	1/9/2014	14:40	0.0	13.8	6.6	0.0	0	20s - 30s	1.55 inches	1026 - 1035	MW-7: 15.17
GP-2 (12") with filter		14:40	0.0	14.0	6.0	0.0	0				MW-8: 15.28
GP-2 (16") without filter		14:45	0.0	12.0	8.2	0.0	0				MW-11: 17.11
GP-2 (16") with filter		14:45	0.0	13.1	6.7	0.0	0				MW-12: 16.98
GP-2 (12") without filter	1/16/2014	13:00	0.0	13.8	6.1	0.0	0	20s - 30s	0.97 inches	1008 - 1019	MW-7: 15.93
GP-2 (12") with filter		13:00	0.0	13.9	3.8	0.0	0				MW-8: 16.06
GP-2 (16") without filter		13:07	0.0	12.9	7.2	0.0	0				MW-11: 17.90
GP-2 (16") with filter		13:07	0.0	13.2	4.1	0.0	0				MW-12: 17.71
GP-2 (12") without filter	1/23/2014	13:00	0.0	16.8	5.1	0.0	0	5 - 15	Trace	1019 - 1038	MW-7: 15.62
GP-2 (12") with filter		13:00	0.0	16.5	4.7	0.0	0				MW-8: 15.83
GP-2 (16") without filter		13:07	0.0	15.4	6.0	0.0	0				MW-11: 17.59
GP-2 (16") with filter		13:07	0.0	15.3	4.9	0.0	0				MW-12: 17.46

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12") without filter	1/28/2014	14:25	0.0	17.3	4.6	0.0	0	5	None	1030 - 1033	MW-7: 17.27
GP-2 (12") with filter		14:25	0.0	17.3	4.1	0.0	0				MW-8: 17.41
GP-2 (16") without filter		14:30	0.0	15.2	6.5	0.0	0				MW-11 & MW-12: iced over
GP-2 (16") with filter		14:30	0.0	15.2	5.8	0.0	0				
GP-2 (12")	2/6/2014	Inaccessible due to snow coverage from road plows						15 - 25	0.3 inches	1029 - 1032	Inaccessible
GP-2 (12") without filter	2/13/2014	15:16	0.0	17.5	4.5	0.0	0	25 - 35	None	1003 - 1018	MW-7: 17.62
GP-2 (12") with filter		15:16	0.0	17.7	3.8	0.0	0				MW-8: 17.77
GP-2 (16") without filter		15:20	0.0	19.3	2.2	0.0	0				MW-11 & MW-12: iced over
GP-2 (16") with filter		15:20	0.0	19.5	0.6	0.0	0				
GP-2 (12") without filter	2/20/2014	14:12	0.0	16.8	4.3	0.0	0	35 - 40	None	1010 - 1014	MW-7: 17.53
GP-2 (12") with filter		14:12	0.0	16.8	4.0	0.0	0				MW-8: 17.66
GP-2 (16") without filter		14:14	0.0	15.8	5.4	0.0	0				MW-11: 19.50
GP-2 (16") with filter		14:14	0.0	15.9	4.5	0.0	0				MW-12: 19.27
GP-2 (12") without filter	2/27/2014	13:10	0.1	19.3	2.3	0.0	0	15 - 25	Trace	1008 - 1024	MW-7: 15.64
GP-2 (12") with filter		13:10	0.1	19.4	1.7	0.0	0				MW-8: 15.78
GP-2 (16") without filter		13:17	0.0	17.2	4.8	0.1	0				MW-11: 17.59
GP-2 (16") with filter		13:17	0.0	17.4	4.1	0.0	0				MW-12: 17.41
GP-2 (12") without filter	3/6/2014	14:21	0.0	17.8	4.3	0.0	0	35 - 45	None	1020 - 1029	MW-7: na
GP-2 (12") with filter		14:21	0.0	17.7	4.1	0.0	0				MW-8: na
GP-2 (16") without filter		0.0	16.8	5.2	0.0	0	0				MW-11: na
GP-2 (16") with filter		0.0	16.7	5.1	0.0	0	0				MW-12: na
GP-2 (12") without filter	4/2/2014	11:57	0.0	18.1	3.5	0.0	0	50s	Trace (0.15 inches)	1020	MW-7: 14.12
GP-2 (12") with filter		11:57	0.0	18.0	3.7	0.0	0				MW-8: 14.32
GP-2 (16") without filter		0.0	17.3	4.4	0.0	0	0				MW-11: 16.06
GP-2 (16") with filter		0.0	17.3	4.5	0.0	0	0				MW-12: 15.91
GP-2 (12") without filter	5/8/2014 ^[3]	15:18	0.2	16.3	3.0	0.0	0	75-85	None	1013-1017	MW-7: 16.84
GP-2 (12") with filter		15:18	0.2	16.4	2.5	0.0	0				MW-8: 16.70
GP-2 (16") without filter		15:22	0.5	20.3	0.0	0.0	0				MW-11: 18.68
GP-2 (16") with filter		15:22	0.5	20.0	1.6	0.0	0				MW-12: 18.46
GP-2 (12") without filter	6/3/2014	15:40	0.0	12.6	4.1	0.0	0	75-85	Trace	1011-1014	MW-7: na
GP-2 (12") with filter		15:40	0.0	12.6	3.7	0.0	0				MW-8: na
GP-2 (16") without filter		15:45	0.1	11.6	4.4	0.0	0				MW-11: na
GP-2 (16") with filter		15:45	0.1	11.7	4.4	0.0	0				MW-12: na
GP-2 (12") without filter	7/17/2014	15:17	0.0	2.2	6.7	0.0	0	70-75	None	1016-1020	MW-7: 17.37
GP-2 (12") with filter		15:17	0.0	2.1	6.4	0.0	0				MW-8: 17.51
GP-2 (16") without filter		15:23	15.0	1.7	6.7	1.7	35				MW-11: 19.36
GP-2 (16") with filter		15:23	15.0	1.7	6.2	1.1	23				MW-12: 19.13
GP-2 (12") without filter	8/14/2014	14:40	13.3	2.2	7.4	1.6	33	70-80	None	1014-1017	MW-7: 18.33
GP-2 (12") with filter		14:40	13.3	2.3	6.4	1.4	29				MW-8: 18.19
GP-2 (16") without filter		14:46	45.8	1.3	8.2	5.8	>100				MW-11: 20.17
GP-2 (16") with filter		14:46	45.8	1.3	7.6	2.4	49				MW-12: 19.94
GP-2 (12") without filter	8/21/2014	15:51	25.6	0.9	8.5	2.7	55	75-79	1.14 Inches	1014-1018	MW-7: na
GP-2 (12") with filter		15:51	25.6	0.9	8.2	1.8	36				MW-8: na
GP-2 (16") without filter		14:45	7.2	0.8	9.2	6.0	>100				MW-11: na
GP-2 (16") with filter		14:45	7.2	0.8	8.2	2.4	48				MW-12: na
GP-2 (12") without filter	8/28/2014	11:40	35.4	0.7	9.2	4.5	90	75--80	None	1016-1019	MW-7: 18.11
GP-2 (12") with filter		11:40	35.4	0.7	7.4	2.4	48				MW-8: 18.25
GP-2 (16") without filter		11:43	40.0	1.7	9.5	5.9	>100				MW-11: 20.10
GP-2 (16") with filter		11:43	40.0	1.6	8.3	2.2	45				MW-12: 19.87

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12") without filter	9/4/2014	14:40	26.5	3.8	7.6	2.3	46	85-90	None	1016-1019	MW-7: na
GP-2 (12") with filter		14:40	26.5	3.9	7.9	2.1	41				MW-8: na
GP-2 (16") without filter		14:45	38.2	6.1	7.1	3.3	66				MW-11: na
GP-2 (16") with filter		14:45	38.2	6.1	7.3	3.0	60				MW-12: na
GP-2 (12") without filter	10/9/2014	13:34	0.0	4.8	9.0	0.0	0	50s	0.3 Inches	1017-1021	MW-7: na
GP-2 (12") with filter		13:34	0.0	5.2	9.3	0.0	0				MW-8: na
GP-2 (16") without filter		13:40	0.0	3.5	10.4	0.0	0				MW-11: na
GP-2 (16") with filter		13:40	0.0	3.6	10.2	0.0	0				MW-12: na
GP-2 (12") without filter	11/26/2014	13:43	0.0	14.6	4.1	0.0	0	30-35	None	1018-1023	MW-7: na
GP-2 (12") with filter		13:43	0.0	15.0	1.6	0.0	0				MW-8: na
GP-2 (16") without filter		13:46	0.0	13.6	4.6	0.0	0				MW-11: na
GP-2 (16") with filter		13:46	0.0	13.4	2.3	0.0	0				MW-12: na
GP-2 (12") without filter	2/6/2015	16:00	0.0	20.6	0.0	0.0	0	25-35	None	1022 - 1030	MW-7: 17.85
GP-2 (12") with filter		16:00	0.0	20.7	0.0	0.0	0				MW-8: 17.98
GP-2 (16") without filter		16:04	0.0	14.7	5.9	0.0	0				MW-11: 19.81
GP-2 (16") with filter		16:04	0.0	14.8	5.2	0.0	0				MW-12: 19.59
GP-2 (12") without filter	5/20/2015	16:09	0.0	9.5	4.2	0.0	0	50-60	None	1016 - 1022	MW-7: 17.45
GP-2 (12") with filter		16:09	0.0	9.8	3.4	0.0	0				MW-8: 17.60
GP-2 (16") without filter		16:11	0.0	7.1	5.2	0.0	0				MW-11: 19.43
GP-2 (16") with filter		16:11	0.0	7.0	4.9	0.0	0				MW-12: 19.21
GP-2 (12") without filter	8/20/2015	14:00	0.0	4.4	9.0	0.0	0	65-70	trace	1009 - 1017	MW-7: 17.75
GP-2 (12") with filter		14:00	0.0	4.4	8.4	0.0	0				MW-8: 17.56
GP-2 (16") without filter		14:04	1.2	2.3	9.8	0.1	3				MW-11: 19.54
GP-2 (16") with filter		14:04	1.2	2.5	9.6	0.1	2				MW-12: 19.30
GP-2 (12") without filter	11/5/2015	14:22	0.0	2.2	9.7	0.0	0	60-70	trace	1019 - 1021	MW-7: 18.60
GP-2 (12") with filter		14:22	0.0	2.3	7.5	0.0	0				MW-8: 18.46
GP-2 (16") without filter		14:25	0.0	1.2	10.5	0.0	0				MW-11: 20.43
GP-2 (16") with filter		14:25	0.0	1.2	8.7	0.0	0				MW-12: 20.20
GP-2 (12") without filter	1/28/2016	14:42	0.0	14.2	6.2	0.0	0	35-45	trace	1005 - 1012	MW-7: 17.54
GP-2 (12") with filter		14:42	0.0	14.5	4.9	0.0	0				MW-8: 17.40
GP-2 (16") without filter		14:47	0.0	12.0	7.9	0.0	0				MW-11: 19.37
GP-2 (16") with filter		14:47	0.0	12.1	7.4	0.0	0				MW-12: 19.15
GP-2 (12") without filter	7/21/2016	14:26	74.9	1.5	7.5	13.5	>100	88-91	None	1019 - 1020	MW-7: 18.77
GP-2 (12") with filter		14:26	74.9	1.3	7.4	4.5	87				MW-8: 18.65
GP-2 (16") without filter		14:32	98.1	1.3	7.8	34.6	>100				MW-11: 20.61
GP-2 (16") with filter		14:32	98.1	1.4	7.5	5.0	>100				MW-12: 20.37
GP-2 (12") without filter	7/29/2016 ^[4]	11:06	68.4	0.5	7.5	13.7	>100	85-86	None	1010 - 1014	MW-7: 19.08
GP-2 (12") with filter		11:06	68.4	10.1	3.4	2.1	42				MW-8: 18.86
GP-2 (16") without filter		11:17	83.5	0.7	7.7	39.2	>100				MW-11: 20.58
GP-2 (16") with filter		11:17	83.5	9.8	3.7	2.6	52				MW-12: 20.68
GP-2 (12") without filter	8/5/2016	17:08	30.4	0.1	7.7	12.3	>100	87 - 91	None	1012 - 1014	MW-7: 19.20
GP-2 (12") with filter		17:08	30.4	0.1	7.6	4.5	91				MW-8: 19.05
GP-2 (16") without filter		17:12	63.0	0.2	7.9	37.8	>100				MW-11: 21.03
GP-2 (16") with filter		17:12	63.0	0.9	7.4	5.1	>100				MW-12: 20.78
GP-2 (12") without filter	8/13/2016	11:25	41.8	0.0	8.2	15.5	>100	79 - 84	trace	1011 - 1015	MW-7: 19.24
GP-2 (12") with filter		11:25	41.8	0.9	7.6	4.5	90				MW-8: 19.38
GP-2 (16") without filter		11:32	73.0	0.0	8.6	44.1	>100				MW-11: 20.97
GP-2 (16") with filter		11:32	73.0	1.6	7.7	4.9	99				MW-12: 21.08

Table 2

**GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	8/19/2016 ^[5]	11:04	8.1	0.0	8.9	16.7	>100	77 - 86	None	1014 - 1017	MW-7: 19.04
GP-2 (12') with filter		11:04	8.1	0.1	8.6	4.1	82				MW-8: 18.90
GP-2 (16') without filter		11:12	17.0	0.3	9.2	30.5	>100				MW-11: 20.87
GP-2 (16') with filter		11:12	17.0	0.4	9.0	4.2	84				MW-12: 20.64
GP-2 (12') without filter	8/23/2016	12:53	47.9	0.1	8.3	9.3	>100	75 -80	None	1023 -1026	MW-7: 18.99
GP-2 (12') with filter		12:53	47.9	0.1	8.3	3.4	68				MW-8: 19.12
GP-2 (16') without filter		12:59	68.3	0.0	8.7	15.5	>100				MW-11: 20.70
GP-2 (16') with filter		12:59	68.3	0.0	8.7	3.5	70				MW-12: 20.81
GP-2 (12') without filter	8/29/2016	13:08	60.7	0.4	8.8	6.4	>100	79-88	None	1022 - 1025	MW-7: 19.11
GP-2 (12') with filter		13:08	60.7	0.4	8.6	3.0	60				MW-8: 18.98
GP-2 (16') without filter		13:13	82.5	0.2	9.3	15.7	>100				MW-11: 20.71
GP-2 (16') with filter		13:13	82.5	0.3	9.0	3.3	65				MW-12: 20.85
GP-2 (12') without filter	9/7/2016		18.1	0.0	8.5	4.5	90	75 - 90	None	1019 - 1022	MW-7: 19.45
GP-2 (12') with filter			18.1	0.0	8.0	2.8	56				MW-8: 19.29
GP-2 (16') without filter			33.0	0.0	8.7	13.3	>100				MW-11: 21.74
GP-2 (16') with filter			33.0	0.0	8.5	3.6	73				MW-12: 21.03
GP-2 (12') without filter	9/14/2016		32.7	0.0	9.3	6.9	>100	75 - 85	Trace	1020 - 1024	MW-7: 19.37
GP-2 (12') with filter			32.7	0.0	9.4	3.2	65				MW-8: 19.22
GP-2 (16') without filter			53.1	0.0	9.6	20.1	>100				MW-11: 21.10
GP-2 (16') with filter			53.1	0.0	9.6	4.0	80				MW-12: 20.91
GP-2 (12') without filter	9/20/2016	14:10	25.5	0.0	8.8	7.4	>100	72 - 86	None	1019 - 1022	MW-7: 19.55
GP-2 (12') with filter		14:10	25.5	0.0	8.8	3.3	67				MW-8: 19.41
GP-2 (16') without filter		14:28	37.7	0.0	9.0	19.4	>100				MW-11: 21.24
GP-2 (16') with filter		14:28	37.7	0.0	8.8	4.0	80				MW-12: 21.15
GP-2 (12') without filter	9/28/2016	14:43	28.5	0.1	10.0	6.6	>100	50 -60	1 inch	1009 - 1014	MW-7: 19.67
GP-2 (12') with filter		14:43	28.5	0.0	10.1	3.1	62				MW-8: 19.52
GP-2 (16') without filter		14:48	35.2	0.1	10.2	16.6	>100				MW-11: 21.51
GP-2 (16') with filter		14:48	35.2	0.1	10.2	3.7	74				MW-12: 21.26

Notes:

[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

[3] -CO₂ readings started at 0.1 ppm.

[4] -GHD field personnel noted the presence of a manhole (and a possible underground utility) located ~ 3 feet from GP-2 that may be contributing to elevated methane levels

[5] Collected SUMMA canister samples at GP-2 (12')(16')

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

Source of weather data from July to September 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP22-13 (20') without filter	7/11/2013	14:55	0.1	8.4	3.4	0.0	0	60s - 70s	None
GP22-13 (20') with filter		14:55	0.1	8.4	3.6	0.0	0		
GP23-13 (18.5') without filter		15:01	0.9	15.6	3.2	0.0	0		
GP23-13 (18.5') with filter		15:01	0.9	15.0	2.1	0.0	0		
GP24A-13 (20') without filter		15:05	1.4	10.1	7.2	0.0	0		
GP24A-13 (20') without filter		15:05	1.4	8.6	7.5	0.0	0		
GP24B-13 (4.5') without filter		15:10	0.3	11.5	6.1	0.0	0		
GP24B-13 (4.5') with filter		15:10	0.3	11.4	5.9	0.0	0		
GP-7 (8') without filter	7/18/2013	15:31	0.0	16.2	3.0	0.0	0	70s - 90s	None
GP-7 (8') with filter		15:31	0.0	16.1	3.2	0.0	0		
GP-7 (12') without filter		15:31	0.0	13.0	5.0	0.0	0		
GP-7 (12') with filter		15:31	0.0	13.4	4.8	0.0	0		
GP12-09 (6') without filter		15:25	0.1	0.9	10.2	0.5	12		
GP12-09 (6') with filter		15:25	0.1	1.2	11.3	0.6	12		
GP22-13 (20') without filter		14:45	0.3	14.5	1.0	0.0	0		
GP22-13 (20') with filter		14:45	0.3	14.6	1.3	0.1	1		
GP23-13 (18.5') without filter		14:51	0.0	12.2	5.3	0.0	0		
GP23-13 (18.5') with filter		14:51	0.0	12.4	6.0	0.1	1		
GP24A-13 (20') without filter		14:57	0.6	14.4	4.2	0.0	0		
GP24A-13 (20') without filter		14:57	0.6	14.2	4.8	0.0	0		
GP24B-13 (4.5') without filter		15:02	0.0	14.1	4.9	0.0	0		
GP24B-13 (4.5') with filter		15:02	0.0	16.8	3.1	0.0	0		
GP-7 (8') with filter	7/25/2013	14:24	0.0	16.8	3.4	0.0	0	50s - 70s	None
GP-7 (8') without filter		14:24	0.0	16.7	3.2	0.0	0		
GP-7 (12') with filter		14:24	0.0	13.2	5.7	0.0	0		
GP-7 (12') without filter		14:24	0.0	13.2	6.1	0.0	0		
GP-7 (16') with filter		14:24	0.0	10.4	6.6	0.0	0		
GP-7 (16') without filter		14:24	0.0	10.4	6.8	0.0	0		
GP12-09 (6') with filter		14:37	0.6	18.0	3.9	0.0	0		
GP12-09 (6') without filter		14:37	0.6	18.0	4.2	0.0	0		
GP23-13 (18.5') with filter		14:42	0.0	14.1	4.8	0.0	0		
GP23-13 (18.5') without filter		14:42	0.0	14.2	4.6	0.0	0		
GP23-13 (18.5') without filter	8/1/2013	14:11	0.0	12.4	5.9	0.0	0	60s - 80s	None
GP23-13 (18.5') with filter		14:11	0.0	12.1	5.4	0.0	0		
GP-7 (8') without filter		14:17	0.0	16.7	3.1	0.0	0		
GP-7 (8') with filter		14:17	0.0	16.4	3.0	0.0	0		
GP-7 (12') without filter		14:17	0.0	13.2	4.7	0.0	0		
GP-7 (12') with filter		14:17	0.0	13.4	4.9	0.0	0		
GP-7 (16') without filter		14:17	0.0	11.4	6.0	0.0	0		
GP-7 (16') with filter		14:17	0.0	11.1	6.1	0.0	0		
GP12-09 (6') without filter		14:30	0.1	7.8	7.3	0.3	6		
GP12-09 (6') with filter		14:30	0.1	8.3	7.8	0.2	4		

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP23-13 (18.5') without filter	8/6/2013	13:56	0.1	12.6	5.4	0.0	0	60s - 80s	None
GP23-13 (18.5') with filter		13:56	0.1	10.4	5.8	0.0	0		
GP-7 (8') without filter		13:40	0.0	16.4	4.7	0.0	0		
GP-7 (8') with filter		13:40	0.0	16.1	4.5	0.0	0		
GP-7 (12') without filter		13:40	0.0	13.1	5.4	0.0	0		
GP-7 (12') with filter		13:40	0.0	13.4	4.9	0.0	0		
GP-7 (16') without filter		13:40	0.0	10.5	6.1	0.0	0		
GP-7 (16') with filter		13:40	0.0	10.6	6.7	0.0	0		
GP12-09 (6') without filter		14:01	0.3	8.7	6.4	0.0	0		
GP12-09 (6') with filter		14:01	0.3	8.9	6.7	0.0	0		
GP12-09 (6') without filter	8/15/2013	13:05	0.0	20.2	1.3	0.0	0	40s - 70s	None
GP12-09 (6') with filter		13:05	0.0	19.8	1.4	0.0	0		
GP23-13 (18.5') without filter		13:11	0.0	11.1	6.7	0.0	0		
GP23-13 (18.5') with filter		13:11	0.0	9.4	6.7	0.0	0		
GP-7 (8') without filter		13:17	0.0	12.8	5.9	0.0	0		
GP-7 (8') with filter		13:17	0.0	14.5	4.6	0.0	0		
GP-7 (12') without filter		13:17	0.0	13.0	4.9	0.0	0		
GP-7 (12') with filter		13:17	0.0	13.4	4.7	0.0	0		
GP-7 (16') without filter		13:17	0.0	9.3	7.6	0.0	0		
GP-7 (16') with filter		13:17	0.0	9.1	6.8	0.0	0		
GP12-09 (6') without filter	8/22/2013	14:21	0.0	0.9	12.0	0.0	0	60s - 80s	Trace (0.06 in.)
GP12-09 (6') with filter		14:21	0.0	0.9	11.6	0.0	0		
GP23-13 (18.5') without filter		14:15	0.0	10.4	6.9	0.0	0		
GP23-13 (18.5') with filter		14:15	0.0	10.6	6.1	0.0	0		
GP-7 (8') without filter		14:26	0.0	10.4	7.0	0.0	0		
GP-7 (8') with filter		14:26	0.0	10.2	6.4	0.0	0		
GP-7 (12') without filter		14:26	0.0	9.5	7.4	0.0	0		
GP-7 (12') with filter		14:26	0.0	9.2	7.2	0.0	0		
GP-7 (16') without filter		14:26	0.0	8.2	7.9	0.0	0		
GP-7 (16') with filter		14:26	0.0	8.4	7.7	0.0	0		
GP12-09 (6') without filter	8/27/2013	13:55	0.3	1.6	11.9	0.0	0	70s - 80s	None
GP12-09 (6') with filter		13:55	0.3	1.5	11.2	0.0	0		
GP23-13 (18.5') without filter		14:01	0.1	10.5	7.5	0.0	0		
GP23-13 (18.5') with filter		14:01	0.1	8.6	8.2	0.0	0		
GP-7 (8') without filter		14:05	0.0	11.1	7.1	0.0	0		
GP-7 (8') with filter		14:05	0.0	10.4	7.3	0.0	0		
GP-7 (12') without filter		14:05	0.1	9.8	7.6	0.0	0		
GP-7 (12') with filter		14:05	0.1	9.2	7.6	0.0	0		
GP-7 (16') without filter		14:05	0.1	8.9	7.8	0.0	0		
GP-7 (16') with filter		14:05	0.1	8.9	7.5	0.0	0		

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP12-09 (6') without filter	9/5/2013	-	0.0	17.9	3.1	0.1	1	50s - 80s	None
GP12-09 (6') with filter		-	0.0	17.5	3.7	0.0	0		
GP23-13 (18.5') without filter		-	0.3	11.3	7.0	0.0	0		
GP23-13 (18.5') with filter		-	0.3	11.7	5.5	0.0	0		
GP-7 (8') without filter		-	0.0	11.0	7.2	0.0	0		
GP-7 (8') with filter		-	0.0	11.3	5.6	0.0	0		
GP-7 (12') without filter		-	0.0	10.3	7.5	0.0	0		
GP-7 (12') with filter		-	0.0	10.6	6.4	0.0	0		
GP-7 (16') without filter		-	0.0	8.4	8.6	0.0	0		
GP-7 (16') with filter		-	0.0	8.4	7.8	0.0	0		
GP23-13 (18.5') without filter	9/12/2013	17:45	0.0	10.4	8.1	0.1	2	60-80s	0.29 inches
GP23-13 (18.5') with filter		17:45	0.0	10.7	6.4	0.1	2		
GP-7 (8') without filter		--	0.0	10.9	7.6	0.0	0		
GP-7 (8') with filter		--	0.0	10.8	7.7	0.0	0		
GP-7 (12') without filter		--	0.1	8.3	9.3	0.0	0		
GP-7 (12') with filter		--	0.1	8.2	9.3	0.0	0		
GP-7 (16') without filter		--	--	7.8	9.3	0.0	0		
GP-7 (16') with filter		--	--	7.9	8.7	0.0	0		
GP-7 (8') without filter	10/17/2013	14:18	0.0	11.5	7.1	0.0	0	40s - 50s	0.1 inches
GP-7 (8') with filter		14:18	0.0	13.5	5.1	0.0	0		
GP-7 (12') without filter		14:23	0.0	11.3	7.0	0.0	0		
GP-7 (12') with filter		14:23	0.0	9.3	8.4	0.0	0		
GP-7 (16') without filter		14:27	0.0	7.9	10.0	0.0	0		
GP-7 (16') with filter		14:27	0.0	8.4	9.3	0.0	0		
GP12-09 (6') without filter		14:14	0.0	17.4	2.4	0.0	0		
GP12-09 (6') with filter		14:14	0.0	17.6	1.5	0.0	0		
GP22-13 (20') without filter		14:31	0.0	0.5	9.7	0.0	0		
GP22-13 (20') with filter		14:31	0.0	1.0	8.9	0.0	0		
GP23-13 (18.5') without filter		14:35	0.0	8.7	10.0	0.0	0		
GP23-13 (18.5') with filter		14:35	0.0	8.2	10.0	0.0	0		
GP24A-13 (20') without filter		14:38	0.0	8.1	10.4	0.0	0		
GP24A-13 (20') without filter		14:38	0.0	10.8	7.9	0.0	0		
GP24B-13 (4.5') without filter		14:42	0.0	11.4	7.2	0.0	0		
GP24B-13 (4.5') with filter		14:42	11.8	5.9	0.0	0.0	0		
GP-7 (8') without filter	11/12/2013	13:00	0.0	14.4	5.5	0.0	0	20s - 30s	Trace (0.05 inches)
GP-7 (8') with filter		13:00	0.0	15.5	4.3	0.0	0		
GP-7 (12') without filter		13:06	0.0	13.7	6.0	0.0	0		
GP-7 (12') with filter		13:06	0.0	13.8	5.5	0.0	0		
GP-7 (16') without filter		13:13	0.0	10.6	8.6	0.0	0		
GP-7 (16') with filter		13:13	0.0	11.7	6.7	0.0	0		
GP12-09 (6') without filter		13:19	0.0	16.1	2.7	0.0	0		
GP12-09 (6') with filter		13:19	0.0	16.8	1.9	0.0	0		
GP23-13 (18.5') without filter		13:25	0.0	10.3	8.2	0.0	0		
GP23-13 (18.5') with filter		13:25	0.0	10.1	7.6	0.0	0		

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7	12/19/2013	Buried Under Snow & Ice						30s - 40s	None
GP12-09 (6') without filter		14:54	0.0	19.9	0.8	0.0	0		
GP12-09 (6') with filter		14:54	0.0	19.0	0.4	0.0	0		
GP23-13 (18.5') without filter		14:57	0.0	12.1	8.3	0.0	0		
GP23-13 (18.5') with filter		14:57	0.0	12.4	7.0	0.0	0		
GP-7 (8') without filter	1/9/2014	14:25	0.0	18.5	2.7	0.0	0	20s - 30s	1.55 inches
GP-7 (8') with filter		14:25	0.0	19.0	1.2	0.0	0		
GP-7 (12') without filter		14:30	0.0	18.2	2.8	0.0	0		
GP-7 (12') with filter		14:30	0.0	18.4	1.6	0.0	0		
GP-7 (16') without filter		14:36	0.0	16.2	4.9	0.0	0		
GP-7 (16') with filter		14:36	0.0	16.7	3.9	0.0	0		
GP12-09 (6') without filter		14:20	0.0	12.9	3.6	0.0	0		
GP12-09 (6') with filter		14:20	0.0	12.6	2.9	0.0	0		
GP22-13 (20') without filter		14:00	0.0	8.5	6.3	0.0	0		
GP22-13 (20') with filter		14:00	0.0	15.8	2.5	0.0	0		
GP23-13 (18.5') without filter		14:05	0.0	14.2	6.1	0.0	0		
GP23-13 (18.5') with filter		14:05	0.0	16.8	3.2	0.0	0		
GP24A-13 (20') without filter		14:11	0.0	14.3	5.4	0.0	0		
GP24A-13 (20') with filter		14:11	0.0	17.7	2.8	0.0	0		
GP24B-13 (4.5') without filter		14:16	0.1	16.5	3.1	0.0	0		
GP24B-13 (4.5') with filter		14:16	0.1	15.5	2.7	0.0	0		
GP-7 (8') without filter	3/10/2014	11:17	0.0	19.6	1.8	0.0	0	40s - 50s	None
GP-7 (8') with filter		11:17	0.0	19.9	1.2	0.0	0		
GP-7 (12') without filter			0.0	19.9	1.9	0.0	0		
GP-7 (12') with filter			0.0	20.2	0.6	0.0	0		
GP-7 (16') without filter				19.8	2.8	0.0	0		
GP-7 (16') with filter				20.2	1.5	0.0	0		
GP12-09 (6') without filter		11:28	0.0	16.4	6.0	0.0	0		
GP12-09 (6') with filter		11:28	0.0	16.8	5.3	0.0	0		
GP23-13 (18.5') without filter			0.0	21.3	0.4	0.0	0		
GP23-13 (18.5') with filter			0.0	20.8	2.3	0.0	0		
GP-7 (8') without filter	4/2/2014	11:37	0.0	19.2	1.9	0.0	0	50s	Trace (0.15 inches)
GP-7 (8') with filter		11:37	0.0	19.2	1.6	0.0	0		
GP-7 (12') without filter			0.0	18.9	2.8	0.0	0		
GP-7 (12') with filter			0.0	18.8	3.0	0.0	0		
GP-7 (16') without filter			0.0	19.1	2.0	0.0	0		
GP-7 (16') with filter			0.0	19.2	2.3	0.0	0		
GP12-09 (6') without filter		11:50	0.0	21.2	0.3	0.0	0		
GP12-09 (6') with filter		11:50	0.0	21.2	0.5	0.0	0		
GP23-13 (18.5') without filter		11:35		17.7	3.8	0.0	0		
GP23-13 (18.5') with filter		11:35		17.6	4.2	0.0	0		

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7	5/8/2014 ^[1]	Inaccessible						75-85	None
GP12-09 (6') without filter		15:25	0.0	20.0	0.2	0.0	0		
GP12-09 (6') with filter		15:25	0.0	20.1	0.1	0.0	0		
GP22-13 (20') without filter		15:28	0.1	9.0	4.5	0.0	0		
GP22-13 (20') with filter		15:28	0.1	9.2	3.7	0.0	0		
GP23-13 (18.5') without filter		15:31	0.0	16.9	3.0	0.0	0		
GP23-13 (18.5') with filter		15:31	0.0	16.6	2.1	0.0	0		
GP24A-13 (20') without filter		15:40	0.0	14.7	3.5	0.0	0		
GP24A-13 (20') with filter		15:40	0.0	14.9	2.8	0.0	0		
GP24B-13 (4.5') without filter		15:44	0.0	16.5	3.0	0.0	0		
GP24B-13 (4.5') with filter		15:44	0.0	16.6	2.8	0.0	0		
GP-7	7/17/2014	Inaccessible (unable to located soil gas probe)						70-75	None
GP12-09 (6') without filter		15:37	0.0	19.4	0.7	0.0	0		
GP12-09 (6') with filter		15:37	0.0	19.5	0.3	0.0	0		
GP22-13 (20')		Inaccessible (access restricted by property owner)							
GP23-13 (18.5') without filter		15:41	0.0	13.7	4.3	0.0	0		
GP23-13 (18.5') with filter		15:41	0.0	13.7	4.0	0.0	0		
GP24A-13 (20') without filter		15:44	0.0	12.0	5.5	0.0	0		
GP24A-13 (20') with filter		15:44	0.0	12.1	5.3	0.0	0		
GP24B-13 (4.5') without filter		15:47	0.0	13.0	5.2	0.0	0		
GP24B-13 (4.5') with filter		15:47	0.0	13.1	4.9	0.0	0		
GP-7		8/14/2014	Inaccessible (unable to located soil gas probe)						
GP12-09 (6') without filter	14:55		0.0	20.0	0.9	0.0	0.0		
GP12-09 (6') with filter	14:55		0.0	20.1	0.4	0.0	0.0		
GP22-13 (20')	Inaccessible (access restricted by property owner)								
GP23-13 (18.5') without filter	15:00		0.0	13.1	4.9	0.0	0.0		
GP23-13 (18.5') with filter	15:00		0.0	13.2	4.7	0.0	0.0		
GP24A-13 (20') without filter	15:03		0.0	13.2	5.8	0.0	0.0		
GP24A-13 (20') with filter	15:03		0.0	13.3	5.3	0.0	0.0		
GP24B-13 (4.5') without filter	15:06		0.0	15.5	4.8	0.0	0.0		
GP24B-13 (4.5') with filter	15:06		0.0	15.5	4.7	0.0	0.0		
GP-7	8/21/2014		Inaccessible (unable to located soil gas probe)						75-79
GP12-09 (6') without filter		15:58	0.0	20.0	0.9	0.0	0.0		
GP12-09 (6') with filter		15:58	0.0	20.1	0.5	0.0	0.0		
GP22-13 (20')		Inaccessible (access restricted by property owner)							
GP23-13 (18.5') without filter		16:02	0.0	11.9	6.8	0.0	0.0		
GP23-13 (18.5') with filter		16:02	0.0	12.2	5.8	0.0	0.0		
GP24A-13 (20') without filter		16:05	0.0	13.3	6.2	0.0	0.0		
GP24A-13 (20') with filter		16:05	0.0	13.3	6.0	0.0	0.0		
GP24B-13 (4.5') without filter		16:10	0.0	15.8	5.1	0.0	0.0		
GP24B-13 (4.5') with filter		16:10	0.0	15.7	4.6	0.0	0.0		
GP-7		8/28/2014	Inaccessible (unable to located soil gas probe)						
GP12-09 (6') without filter	11:48		0.0	19.7	1.0	0.0	0.0		
GP12-09 (6') with filter	11:48		0.0	19.8	0.4	0.0	0.0		
GP22-13 (20')	Inaccessible (access restricted by property owner)								
GP23-13 (18.5') without filter	11:50		1.0	13.2	6.1	0.0	0.0		
GP23-13 (18.5') with filter	11:50		1.0	13.5	4.5	0.0	0.0		
GP24A-13 (20') without filter	11:55		1.0	14.1	5.4	0.0	0.0		
GP24A-13 (20') with filter	11:55		1.0	15.6	3.6	0.0	0.0		
GP24B-13 (4.5') without filter	12:00		0.0	13.9	6.2	0.0	0.0		
GP24B-13 (4.5') with filter	12:00		0.0	14.0	5.6	0.0	0.0		

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	
GP-7 (8') without filter	9/4/2014	14:25	0.0	14.3	4.6	0.0	0	85-90	None	
GP-7 (8') with filter		14:25	0.0	14.3	4.5	0.0	0			
GP-7 (12') without filter		14:30	0.0	12.0	6.4	0.0	0			
GP-7 (12') with filter		14:30	0.0	21.1	6.6	0.0	0			
GP-7 (16') without filter		14:36	0.0	10.6	7.0	0.0	0			
GP-7 (16') with filter		14:36	0.0	10.6	7.4	0.0	0			
GP12-09 (6') without filter		14:19	0.0	19.2	1.2	0.0	0			
GP12-09 (6') with filter		14:19	0.0	19.1	1.5	0.0	0			
GP22-13 (20')		Inaccessible (access restricted by property owner)								
GP23-13 (18.5') without filter		14:02	0.0	13.1	5.9	0.0	0			
GP23-13 (18.5') with filter		14:02	0.0	13.0	6.2	0.0	0			
GP24A-13 (20') without filter		14:07	0.0	14.2	5.9	0.0	0			
GP24A-13 (20') with filter		14:07	0.0	14.2	5.2	0.0	0			
GP24B-13 (4.5') without filter		14:13	0.0	13.7	5.6	0.0	0			
GP24B-13 (4.5') with filter		14:13	0.0	13.6	5.8	0.0	0			
GP-7 (8') without filter	10/9/2014	13:06	0.2	13.9	5.4	0.0	0	50s	0.3 inches	
GP-7 (8') with filter		13:06	0.2	14.1	5.2	0.0	0			
GP-7 (12') without filter		13:12	0.3	12.2	6.7	0.0	0			
GP-7 (12') with filter		13:12	0.3	12.5	5.8	0.0	0			
GP-7 (16') without filter		13:17	0.6	11.1	7.2	0.0	0			
GP-7 (16') with filter		13:17	0.6	11.0	7.4	0.0	0			
GP12-09 (6') without filter		12:35	0.0	12.3	6.8	0.0	0			
GP12-09 (6') with filter		12:35	0.0	12.5	6.5	0.0	0			
GP22-13 (20') without filter		12:41	0.0	7.9	6.1	0.0	0			
GP22-13 (20') with filter		12:41	0.0	7.8	6.3	0.0	0			
GP23-13 (18.5') without filter		12:48	0.0	13.6	5.7	0.0	0			
GP23-13 (18.5') with filter		12:48	0.0	13.8	6.0	0.0	0			
GP24A-13 (20') without filter		12:54	0.0	15.5	4.4	0.0	0			
GP24A-13 (20') with filter		12:54	0.0	15.8	4.6	0.0	0			
GP24B-13 (4.5') without filter		13:00	0.0	15.3	4.7	0.0	0			
GP24B-13 (4.5') with filter	13:00	0.0	15.3	4.5	0.0	0				
GP-7 (8') without filter	11/26/2014	13:50	0.0	19.6	2.0	0.0	0	30-35	None	
GP-7 (8') with filter		13:50	0.0	19.8	0.8	0.0	0			
GP-7 (12') without filter		13:53	0.0	19.5	2.0	0.0	0			
GP-7 (12') with filter		13:53	0.0	19.8	1.3	0.0	0			
GP-7 (16') without filter		13:55	0.0	18.1	3.4	0.0	0			
GP-7 (16') with filter		13:55	0.0	18.4	1.5	0.0	0			
GP12-09 (6') without filter		13:57	0.0	21.4	2.8	0.0	0			
GP12-09 (6') with filter		13:57	0.0	21.0	2.5	0.0	0			
GP22-13 (20')		Inaccessible (access restricted by property owner)								
GP23-13 (18.5') without filter		13:59	0.0	17.5	3.8	0.0	0			
GP23-13 (18.5') with filter		13:59	0.0	18.6	1.3	0.0	0			
GP24A-13 (20') without filter		14:02	0.0	18.0	3.7	0.0	0			
GP24A-13 (20') with filter		14:02	0.0	20.7	1.8	0.0	0			
GP24B-13 (4.5') without filter		14:04	0.0	19.0	2.6	0.0	0			
GP24B-13 (4.5') with filter		14:04	0.0	20.4	2.3	0.0	0			

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	
GP-7 (8') without filter	2/6/2015	16:07	0.0	19.4	2.6	0.0	0	25-35	None	
GP-7 (8') with filter		16:07	0.0	19.2	2.4	0.0	0			
GP-7 (12') without filter		16:10	0.0	18.8	3.1	0.0	0			
GP-7 (12') with filter		16:10	0.0	19.1	2.0	0.0	0			
GP-7 (16') without filter		16:13	0.0	19.5	2.2	0.0	0			
GP-7 (16') with filter		16:13	0.0	19.6	1.4	0.0	0			
GP12-09 (6') without filter		16:16	0.0	20.8	1.2	0.0	0			
GP12-09 (6') with filter		16:16	0.0	20.9	1.1	0.0	0			
GP22-13 (20')		Inaccessible (access restricted by property owner)								
GP23-13 (18.5') without filter		16:19	0.0	17.1	4.9	0.0	0			
GP23-13 (18.5') with filter		16:19	0.0	17.0	3.4	0.0	0			
GP24A-13 (20') without filter		16:23	0.0	16.6	4.6	0.0	0			
GP24A-13 (20') with filter		16:23	0.0	18.3	3.0	0.0	0			
GP24B-13 (4.5') without filter		16:26	0.0	17.8	3.2	0.0	0			
GP24B-13 (4.5') with filter		16:26	0.0	17.9	2.4	0.0	0			
GP-7 (8') without filter	5/20/2015	16:14	0.0	17.4	2.8	0.0	0	50-60	None	
GP-7 (8') with filter		16:14	0.0	17.5	2.0	0.0	0			
GP-7 (12') without filter		16:16	0.0	16.7	3.2	0.0	0			
GP-7 (12') with filter		16:16	0.0	16.9	2.8	0.0	0			
GP-7 (16') without filter		16:18		16.7	3.1	0.0	0			
GP-7 (16') with filter		16:18		16.9	2.3	0.0	0			
GP12-09 (6') without filter		16:20	0.0	20.7	0.6	0.0	0			
GP12-09 (6') with filter		16:20	0.0	21.0	0.4	0.0	0			
GP22-13 (20') without filter		16:22	0.0	7.3	6.0	0.0	0			
GP22-13 (20') with filter		16:22	0.0	7.2	5.4	0.0	0			
GP23-13 (18.5') without filter		16:26	0.2	17.5	2.2	0.0	0			
GP23-13 (18.5') with filter		16:26	0.2	17.8	1.8	0.0	0			
GP24A-13 (20') without filter		16:29	0.0	14.9	4.4	0.0	0			
GP24A-13 (20') with filter		16:29	0.0	15.0	3.7	0.0	0			
GP24B-13 (4.5') without filter		16:31	0.0	16.8	3.8	0.0	0			
GP24B-13 (4.5') with filter	16:31	0.0	16.9	2.9	0.0	0				
GP-7 (8') without filter	8/20/2015	14:07	0.0	11.8	6.1	0.0	0	65-70	Trace	
GP-7 (8') with filter		14:07	0.0	13.4	4.6	0.0	0			
GP-7 (12') without filter		14:10	0.0	11.9	6.2	0.0	0			
GP-7 (12') with filter		14:10	0.0	11.5	5.8	0.0	0			
GP-7 (16') without filter		14:13	0.0	11.2	6.1	0.0	0			
GP-7 (16') with filter		14:13	0.0	11.3	5.6	0.0	0			
GP12-09 (6') without filter		14:17	0.0	19.0	1.0	0.0	0			
GP12-09 (6') with filter		14:17	0.0	19.2	0.6	0.0	0			
GP22-13 (20') without filter		14:20	0.0	2.7	7.8	0.0	0			
GP22-13 (20') with filter		14:20	0.0	2.6	7.3	0.0	0			
GP23-13 (18.5') without filter		14:24	0.0	13.8	4.9	0.0	0			
GP23-13 (18.5') with filter		14:24	0.0	13.8	4.8	0.0	0			
GP24A-13 (20') without filter		14:28	0.0	13.4	6.4	0.0	0			
GP24A-13 (20') with filter		14:28	0.0	13.2	6.2	0.0	0			
GP24B-13 (4.5') without filter		14:32	0.0	13.4	6.4	0.0	0			
GP24B-13 (4.5') with filter	14:32	0.0	13.2	6.2	0.0	0				

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7 (8') without filter	11/5/2015	14:45	0.0	13.8	4.9	0.0	0	60-70	Trace
GP-7 (8') with filter		14:45	0.0	13.8	3.9	0.0	0		
GP-7 (12') without filter		14:47	0.0	13.2	5.3	0.0	0		
GP-7 (12') with filter		14:47	0.0	13.3	4.6	0.0	0		
GP-7 (16') without filter		14:50	0.0	11.2	7.3	0.0	0		
GP-7 (16') with filter		14:50	0.0	11.4	6.2	0.0	0		
GP12-09 (6') without filter		14:55	0.0	20.1	0.4	0.0	0		
GP12-09 (6') with filter		14:55	0.0	20.2	0.2	0.0	0		
GP22-13 (20') without filter		14:42	0.0	1.6	9.2	0.0	0		
GP22-13 (20') with filter		14:42	0.0	1.4	8.1	0.0	0		
GP23-13 (18.5') without filter		14:38	0.0	11.7	7.5	0.0	0		
GP23-13 (18.5') with filter		14:38	0.0	11.9	6.8	0.0	0		
GP24A-13 (20') without filter		14:30	0.0	11.5	8.0	0.0	0		
GP24A-13 (20') with filter		14:30	0.0	11.7	6.9	0.0	0		
GP24B-13 (4.5') without filter		14:34	0.0	14.2	5.2	0.0	0		
GP24B-13 (4.5') with filter		14:34	0.0	14.3	5.0	0.0	0		
GP-7 (8') without filter	1/28/2016	14:51	0.0	18.2	3.5	0.0	0	35-45	Trace
GP-7 (8') with filter		14:51	0.0	18.6	1.4	0.0	0		
GP-7 (12') without filter		14:55	0.0	18.5	2.9	0.0	0		
GP-7 (12') with filter		14:55	0.0	18.8	2.8	0.0	0		
GP-7 (16') without filter		14:58	0.0	18.8	2.5	0.0	0		
GP-7 (16') with filter		14:58	0.0	18.8	2.2	0.0	0		
GP12-09 (6') without filter		15:00	0.0	18.8	2.3	0.0	0		
GP12-09 (6') with filter		15:00	0.0	20.8	2.1	0.0	0		
GP22-13 (20') without filter		15:03	0.0	4.5	8.5	0.0	0		
GP22-13 (20') with filter		15:03	0.0	3.0	7.8	0.0	0		
GP23-13 (18.5') without filter		15:08	0.0	12.9	7.5	0.0	0		
GP23-13 (18.5') with filter		15:08	0.0	12.9	6.5	0.0	0		
GP24A-13 (20') without filter		15:10	0.0	16.4	4.1	0.0	0		
GP24A-13 (20') with filter		15:10	0.0	17.2	1.9	0.0	0		
GP24B-13 (4.5') without filter		15:13	0.0	13.9	4.7	0.0	0		
GP24B-13 (4.5') with filter		15:13	0.0	14.4	4.2	0.0	0		
GP-7 (8') without filter	7/21/2016	14:37	0.0	12.7	5.8	0.0	0	88-91	None
GP-7 (8') with filter		14:37	0.0	14.1	5.0	0.0	0		
GP-7 (12') without filter		14:40	0.0	12.3	6.0	0.0	0		
GP-7 (12') with filter		14:40	0.0	12.4	5.5	0.0	0		
GP-7 (16') without filter		14:45	0.0	12.4	5.8	0.0	0		
GP-7 (16') with filter		14:45	0.0	12.2	5.4	0.0	0		
GP12-09 (6') without filter		14:48	0.4	19.3	1.0	0.0	0		
GP12-09 (6') with filter		14:48	0.4	19.3	0.8	0.0	0		
GP22-13 (20') without filter		14:52	0.3	6.0	6.2	0.0	0		
GP22-13 (20') with filter		14:52	0.3	5.4	6.1	0.0	0		
GP23-13 (18.5') without filter		14:55	0.4	12.8	6.1	0.0	0		
GP23-13 (18.5') with filter		14:55	0.4	12.9	6.0	0.0	0		
GP24A-13 (20') without filter		14:59	0.0	10.5	7.5	0.0	0		
GP24A-13 (20') with filter		14:59	0.0	10.7	7.2	0.0	0		
GP24B-13 (4.5') without filter		15:04	0.0	13.0	6.9	0.0	0		
GP24B-13 (4.5') with filter		15:04	0.0	12.9	6.7	0.0	0		

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	
GP-7 (8') without filter	7/29/2016	11:00	0.2	12.1	6.1	0.0	0	85-86	None	
GP-7 (8') with filter		11:00	0.2	15.3	3.6	0.0	0			
GP-7 (12') without filter		10:54	0.1	13.8	4.9	0.0	0			
GP-7 (12') with filter		10:54	0.1	12.3	5.8	0.0	0			
GP-7 (16') without filter		11:04	0.0	11.1	6.3	0.0	0			
GP-7 (16') with filter		11:04	0.0	11.5	5.5	0.0	0			
GP12-09 (6') without filter		10:16	1.5	19.3	1.2	0.0	0			
GP12-09 (6') with filter		10:16	1.5	19.6	1.1	0.0	0			
GP22-13 (20') without filter		10:35	48.8	0.3	8.7	0.0	0			
GP22-13 (20') with filter		10:35	48.8	1.0	8.4	0.0	0			
GP23-13 (18.5') without filter		10:02	87.0	12.3	7.2	0.0	0			
GP23-13 (18.5') with filter		10:02	87.0	12.4	6.9	0.0	0			
GP24A-13 (20') without filter		9:51	1081.0	7.1	11.2	0.0	0			
GP24A-13 (20') with filter		9:51	1081.0	8.2	10.4	0.0	0			
GP24B-13 (4.5') without filter	9:56	429.2	13.8	7.2	0.0	0				
GP24B-13 (4.5') with filter	9:56	429.2	13.7	7.3	0.0	0				
GP-7 (8') without filter	8/5/2016	16:53	0.0	11.4	6.3	0.0	0	87-91	None	
GP-7 (8') with filter		16:53	0.0	11.5	6.1	0.0	0			
GP-7 (12') without filter		16:57	0.0	11.0	6.7	0.0	0			
GP-7 (12') with filter		16:57	0.0	11.0	6.4	0.0	0			
GP-7 (16') without filter		17:00		10.5	6.6	0.0	0			
GP-7 (16') with filter		17:00		10.6	6.4	0.0	0			
GP12-09 (6') without filter		16:45	0.0	18.8	1.4	0.0	0			
GP12-09 (6') with filter		16:45	0.0	19.0	1.2	0.0	0			
GP22-13 (20') without filter		15:37	0.0	0.3	8.6	0.0	0			
GP22-13 (20') with filter		15:37	0.0	3.4	6.9	0.0	0			
GP23-13 (18.5') without filter		17:03	0.0	11.4	6.7	0.0	0			
GP23-13 (18.5') with filter		17:03	0.0	12.2	5.9	0.0	0			
GP24A-13 (20') without filter		17:26	0.0	6.2	10.4	0.0	0			
GP24A-13 (20') with filter		17:26	0.0	6.2	10.3	0.0	0			
GP24B-13 (4.5') without filter	17:31	0.0	12.5	6.4	0.0	0				
GP24B-13 (4.5') with filter	17:31	0.0	12.8	6.3	0.0	0				
GP-7 (8') without filter	8/13/2016	11:00	0.0	12.5	6.3	0.0	0	79 - 84	Trace	
GP-7 (8') with filter		11:00	0.0	12.6	6.2	0.0	0			
GP-7 (12') without filter		11:06	0.0	11.7	7.0	0.0	0			
GP-7 (12') with filter		11:06	0.0	11.9	6.7	0.0	0			
GP-7 (16') without filter		11:13	0.0	10.8	7.2	0.0	0			
GP-7 (16') with filter		11:13	0.0	10.9	7.1	0.0	0			
GP12-09 (6') without filter		11:19	0.0	18.4	1.4	0.0	0			
GP12-09 (6') with filter		11:19	0.0	18.5	1.6	0.0	0			
GP22-13 (20') without filter		No access. B&G closed.								
GP22-13 (20') with filter										
GP23-13 (18.5') without filter		10:45	0.0	10.9	7.4	0.0	0			
GP23-13 (18.5') with filter		10:45	0.0	11.1	7.5	0.0	0			
GP24A-13 (20') without filter		10:35	0.2	6.5	11.9	0.0	0			
GP24A-13 (20') with filter		10:35	0.2	6.6	11.8	0.0	0			
GP24B-13 (4.5') without filter	10:25	3.2	12.8	7.3	0.0	0				
GP24B-13 (4.5') with filter	10:25	3.2	13.0	7.2	0.0	0				

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	
GP-7 (8') without filter	8/19/2016	13:01	0.0	11.6	6.2	0.0	0	77-86	None	
GP-7 (8') with filter		13:01	0.0	13.9	5.2	0.0	0			
GP-7 (12') without filter		13:07	0.0	10.7	7.1	0.0	0			
GP-7 (12') with filter		13:07	0.0	10.7	6.6	0.0	0			
GP-7 (16') without filter		13:10	0.0	10.8	7.0	0.0	0			
GP-7 (16') with filter		13:10	0.0	10.8	6.8	0.0	0			
GP12-09 (6') without filter		13:22	0.0	19.2	1.1	0.0	0			
GP12-09 (6') with filter		13:22	0.0	19.1	0.8	0.0	0			
GP22-13 (20') without filter		13:52	0.0	0.6	8.6	0.0	0			
GP22-13 (20') with filter		13:52	0.0	3.4	6.5	0.0	0			
GP23-13 (18.5') without filter		13:27	0.0	10.7	7.5	0.0	0			
GP23-13 (18.5') with filter		13:27	0.0	11.3	6.8	0.0	0			
GP24A-13 (20') without filter		13:38	0.0	10.3	7.6	0.0	0			
GP24A-13 (20') with filter		13:38	0.0	10.4	7.5	0.0	0			
GP24B-13 (4.5') without filter		13:34	0.0	6.7	11.5	0.0	0			
GP24B-13 (4.5') with filter		13:34	0.0	7.8	9.9	0.0	0			
GP-7 (8') without filter	8/23/2016	13:10	0.0	11.5	6.3	0.0	0	75-80	None	
GP-7 (8') with filter		13:10	0.0	11.5	6.4	0.0	0			
GP-7 (12') without filter		13:16	0.0	10.5	7.0	0.0	0			
GP-7 (12') with filter		13:16	0.0	10.4	6.9	0.0	0			
GP-7 (16') without filter		13:25	0.0	9.9	7.0	0.0	0			
GP-7 (16') with filter		13:25	0.0	9.8	6.7	0.0	0			
GP12-09 (6') without filter		12:37	0.0	19.0	1.3	0.0	0			
GP12-09 (6') with filter		12:37	0.0	19.0	1.6	0.0	0			
GP22-13 (20') without filter		12:47	0.0	0.3	8.9	0.0	0			
GP22-13 (20') with filter		12:47	0.0	0.1	8.8	0.0	0			
GP23-13 (18.5') without filter		12:25		9.6	8.8	0.0	0			
GP23-13 (18.5') with filter		12:25		9.7	8.0	0.0	0			
GP24A-13 (20') without filter		12:05	0.0	6.3	12.3	0.0	0			
GP24A-13 (20') with filter		12:05	0.0	6.2	12.3	0.0	0			
GP24B-13 (4.5') without filter		12:13	0.0	9.9	8.1	0.0	0			
GP24B-13 (4.5') with filter		12:13	0.0	9.8	8.1	0.0	0			
GP-7 (8') without filter	8/29/2016	12:34	0.0	11.5	6.8	0.0	0	79-88	None	
GP-7 (8') with filter		12:34	0.0	11.6	6.7	0.0	0			
GP-7 (12') without filter		12:39	0.0	10.4	7.6	0.0	0			
GP-7 (12') with filter		12:39	0.0	10.5	7.5	0.0	0			
GP-7 (16') without filter		12:43	0.0	10.0	7.7	0.0	0			
GP-7 (16') with filter		12:43	0.0	10.1	7.5	0.0	0			
GP12-09 (6') without filter		No Site Access: GHD Lock Removed								
GP12-09 (6') with filter										
GP22-13 (20') without filter		12:58	5.2	0.2	9.6	0.0	0			
GP22-13 (20') with filter		12:58	5.2	0.5	9.4	0.0	0			
GP23-13 (18.5') without filter		12:26	9.0	10.2	7.5	3.4	68			
GP23-13 (18.5') with filter		12:26	9.0	10.3	7.1	3.3	67			
GP24A-13 (20') without filter		12:17	119.5	6.1	11.5	0.0	0			
GP24A-13 (20') with filter		12:17	119.5	6.2	9.4	0.0	0			
GP24B-13 (4.5') without filter		12:11	425.8	11.1	8.4	0.0	0			
GP24B-13 (4.5') with filter		12:11	425.8	11.0	8.4	0.0	0			

Table 3

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7 (8') without filter	9/7/2016	1300 to 1440	0.0	11.6	6.3	0.0	0	75 - 90	None
GP-7 (8') with filter			0.0	11.5	6.4	0.0	0		
GP-7 (12') without filter			0.0	10.0	7.5	0.0	0		
GP-7 (12') with filter			0.0	9.9	7.2	0.0	0		
GP-7 (16') without filter			0.0	9.2	7.5	0.0	0		
GP-7 (16') with filter			0.0	9.0	7.1	0.0	0		
GP12-09 (6') without filter			0.0	19.1	0.7	0.0	0		
GP12-09 (6') with filter			0.0	19.0	0.8	0.0	0		
GP22-13 (20') without filter			0.0	0	9.1	0.0	0		
GP22-13 (20') with filter			0.0	0	9.1	0.0	0		
GP23-13 (18.5') without filter			0.0	9.5	7.8	0.0	0		
GP23-13 (18.5') with filter			0.0	9.5	7.7	0.0	0		
GP24A-13 (20') without filter			0.0	5.2	13.1	0.0	0		
GP24A-13 (20') with filter			0.0	5.1	13.1	0.0	0		
GP24B-13 (4.5') without filter	9/14/2016	1200 to 1340	0.0	11.5	8.0	0.0	0	75 - 85	Trace
GP24B-13 (4.5') with filter			0.0	11.3	8.1	0.0	0		
GP-7 (8') without filter			0.0	11.6	6.2	0.0	0		
GP-7 (8') with filter			0.0	11.5	6.1	0.0	0		
GP-7 (12') without filter			0.0	9.8	7.8	0.0	0		
GP-7 (12') with filter			0.0	9.9	7.7	0.0	0		
GP-7 (16') without filter			0.0	9.5	7.8	0.0	0		
GP-7 (16') with filter			0.0	9.5	7.7	0.0	0		
GP12-09 (6') without filter			0.0	19.2	0.9	0.0	0		
GP12-09 (6') with filter			0.0	19.3	0.8	0.0	0		
GP22-13 (20') without filter			0.0	0.0	9.9	0.0	1		
GP22-13 (20') with filter			0.0	0.0	9.7	0.0	1		
GP23-13 (18.5') without filter			0.0	9.1	8.9	0.0	0		
GP23-13 (18.5') with filter			0.0	9.1	8.8	0.0	0		
GP24A-13 (20') without filter	9/20/2016	14:45 to 15:00	0.0	5.2	13.1	0.0	0	72 - 86	None
GP24A-13 (20') with filter			0.0	5.1	13.0	0.0	0		
GP24B-13 (4.5') without filter			0.0	11.2	8.0	0.0	0		
GP24B-13 (4.5') with filter			0.0	10.8	8.0	0.0	0		
GP-7 (8') without filter			0.0	9.6	5.8	0.0	0		
GP-7 (8') with filter			0.0	9.5	5.7	0.0	0		
GP-7 (12') without filter			0.0	8.0	7.4	0.0	0		
GP-7 (12') with filter			0.0	7.9	7.2	0.0	0		
GP-7 (16') without filter			0.0	7.5	7.5	0.0	0		
GP-7 (16') with filter			0.0	7.5	7.2	0.0	0		
GP12-09 (6') without filter			0.0	19.0	0.7	0.0	0		
GP12-09 (6') with filter			0.0	19.2	0.5	0.0	0		
GP22-13 (20') without filter			0.0	0.0	9.7	0.0	0		
GP22-13 (20') with filter			0.0	0.0	9.6	0.0	0		
GP23-13 (18.5') without filter		13:39	0.0	8.7	8.5	0.0	0		
GP23-13 (18.5') with filter			0.0	8.7	8.4	0.0	0		
GP24A-13 (20') without filter			0.0	5.0	13.4	0.0	0		
GP24A-13 (20') with filter			0.0	4.8	13.5	0.0	0		
GP24B-13 (4.5') without filter			0.0	11.6	7.1	0.0	0		
GP24B-13 (4.5') with filter			0.0	11.0	7.3	0.0	0		

**Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7 (8') without filter	9/28/2016	13:53	0.0	12.9	6.6	0.0	0	50 - 60	1 inch
GP-7 (8') with filter		13:53	0.0	12.5	6.8	0.0	0		
GP-7 (12') without filter		14:00	0.0	10.5	8.7	0.0	0		
GP-7 (12') with filter		14:00	0.0	10.5	8.5	0.0	0		
GP-7 (16') without filter		14:02	0.0	9.6	8.8	0.0	0		
GP-7 (16') with filter		14:02	0.0	9.5	9.0	0.0	0		
GP12-09 (6') without filter		14:10	0.0	20.0	0.9	0.0	0		
GP12-09 (6') with filter		14:10	0.0	20.1	1.1	0.0	0		
GP22-13 (20') without filter		14:31	0.0	0.0	11	0.0	0		
GP22-13 (20') with filter		14:31	0.0	0.0	10.8	0.0	0		
GP23-13 (18.5') without filter		13:27	0.0	9.6	9.7	0.0	0		
GP23-13 (18.5') with filter		13:27	0.0	9.7	9.4	0.0	0		
GP24A-13 (20') without filter		13:09	0.0	13.2	7.3	0.0	0		
GP24A-13 (20') with filter		13:09	0.0	13.1	7.3	0.0	0		
GP24B-13 (4.5') without filter		13:17	0.0	5.1	14.0	0.0	0		
GP24B-13 (4.5') with filter		13:17	0.0	5.1	13.8	0.0	0		

Notes:

UJ -CO₂ readings started at 0.1 ppm.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

Source of weather data for July to September 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=

Table 4

**Buried Utility Methane Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio**

Sample Location:	Date:	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Notes
Storm Water Intake 1 without filter	9/28/2016	0.0	20.9	0.0	0.0	0	50 - 60	1 inch	Flow is southwest to MH-8
Storm Water Intake 1 with filter		0.0	20.9	0.0	0.0	0			
Storm Water Intake 2 without filter		0.0	20.9	0.0	0.0	0			Flow is west to MH-9
Storm Water Intake 2 with filter		0.0	20.9	0.0	0.0	0			
Storm Water Intake 3 without filter		0.0	21.1	0.0	0.0	0			Flow is west to MH-10
Storm Water Intake 3 with filter		0.0	21.1	0.0	0.0	0			
Storm Water Intake 4 without filter		0.0	21.2	0.0	0.0	0			Flow to the west
Storm Water Intake 4 with filter		0.0	21.1	0.0	0.0	0			
Storm Water Intake 5 without filter		0.0	21.2	0.0	0.0	0			Flow to the west
Storm Water Intake 5 with filter		0.0	21.2	0.0	0.0	0			
Storm Water Intake 6 without filter		0.0	20.9	0.0	0.0	0			Flow is to the west
Storm Water Intake 6 with filter		0.0	20.9	0.0	0.0	0			DTB = 76.5 "
Manhole 7 without filter		0.0	20.9	0.0	0.0	0			Fiber Optics Vault
Manhole 7 with filter		0.0	20.9	0.0	0.0	0			SWL = 4.38' DTB = 5.50'
Manhole 8 without filter		0.0	20.8	0.0	0.0	0			Flow is to the north
Manhole 8 with filter		0.0	20.8	0.0	0.0	0			DTB = 8.85'
Manhole 9 without filter		0.0	20.9	0.0	0.0	0			Flow is north to MH-8
Manhole 9 with filter		0.0	20.9	0.0	0.0	0			DTB = 8.37'
Manhole 10 without filter		0.0	21.2	0.0	0.0	0			Flow is north to MH-9
Manhole 10 with filter		0.0	21.2	0.0	0.0	0			
Sanitary Manhole without filter		0.0	21.2	0.0	0.0	1			No flow. Sanitary manhole
Sanitary Manhole with filter		0.0	21.2	0.0	0.0	1			

Notes:

PID - Photoionization Detector

O₂ - OxygenCO₂ - Carbon DioxideCH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

DTB - Depth to bottom

SWL - Water level (below ground surface)

Source of weather data for July to September 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_st[ate=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=](https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_st)

Attachment A

Summary of Building Status

As of September 30, 2016, the status of each building requiring mitigation was as follows:

Building 8 (B&G Equipment and Truck Repair):

- 30-day proficiency sampling completed on September 12, 2013, with additional confirmatory sampling completed on January 9, 2014 and March 10, 2014.
- 2015 indoor air (IA) and/or sub-slab (SS) soil vapor sampling were completed on February 17, 2015, July 15, 2015, and October 6, 2015.
- Sub-slab depressurization system (SSDS) modifications including EP-3 and EP-5 stemline installations were completed on February 5, 2016.
- 60-day post-SSDS modification sampling was completed at Building 8 (B&G Equipment & Truck Repair) on April 13, 2016:
 - Analytical results show significant decreases in SS concentrations.
 - Concentrations at SS-8-B and SS-8-D are less than Ohio Department of Health (ODH) Screening Levels. SS concentrations of TCE at SS-8-A remain greater than ODH Screening Levels.
 - USEPA and Respondents agree that no further modifications to the SSDS are required as vacuum response at the worst-case, sub-slab probe are good and vapor intrusion is not occurring. USEPA requests that GHD develop a hybrid annual sampling program that is protective of indoor air at Building 8, prior to committing to annual monitoring.
- Respondents will provide USEPA with a hybrid sampling program for annual monitoring at Building 8.

Building 9 (B&G Equipment and Truck Repair):

- 30-day and 180-day proficiency sampling completed on October 24, 2013 and March 10, 2014, respectively, with additional 180-day confirmatory sampling completed on May 20, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 17, 2015, and July 15, 2015.
- SSDS modifications including EP-2 stemline installation and EP-3 installation were completed on February 5, 2016.
- 60-day post-SSDS modification sampling was completed at Building 9 (B&G Equipment & Truck Repair) on April 13, 2016.
 - Benzene and xylene concentrations in IA were greater than the ODH screening levels; however benzene and xylene are not detected (or detected at low levels) in the SS and the IA exceedances are not attributed to vapor intrusion.
 - Analytical results show significant decreases in SS concentrations. However, SS concentrations of TCE at SS-9-A remain greater than ODH Screening Levels.
 - USEPA and Respondents agreed that no further modifications to the SSDS are required but acknowledge the building is not in compliance since SS concentrations remain greater than ODH

screening levels. USEPA requests that GHD develop a hybrid annual sampling program that is protective of indoor air at Building 9, prior to committing to annual monitoring.

- Respondents will provide USEPA with a hybrid sampling program for annual monitoring at Building 9.

Building 12 (Overstreet Painting and S&J Precision):

- 30-day proficiency sampling completed on October 24, 2013. A corrective action was implemented on March 6, 2014 and additional confirmatory sampling was completed on April 2 and 3, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 18, 2015 and July 13, 2015.
- Respondents and U.S. EPA proposed SSDS modifications to the building owner and tenants during the January 28, 2016 meeting.
- SSDS modifications at Building 12 (Overstreet Painting and S&J Precision) began on April 4, 2016 and were completed by April 13, 2016.
- 60-day post-SSDS modification sampling and annual proficiency sampling completed at Building 12 (Overstreet Painting and S&J Precision) in one joint event on June 15 and 16, 2016, respectively:
 - There are no IA exceedances at S&J Precision.
 - TCE concentration in the SS soil vapor sample collected at SS-12-SJ-B remain greater than ODH screening levels; however concentrations have decreased compared to previous results.
 - The current SSDS configuration produces good vacuum responses at SS-12-SJ-B (-0.2 inches of water column [" w.c.]).
 - USEPA requests the Respondents develop a hybrid annual sampling program that is protective of indoor air at Building 12 (S&J Precision), prior to committing to annual monitoring.
 - Respondents will provide USEPA with a hybrid sampling program for annual monitoring at Building 12 (S&J Precision).
 - TCE concentrations in SS soil vapor samples collected at SS-12-OP-A and SS-12-OP-B are greater than the ODH Screening level and have increased compared to 2015 results.
 - Concentrations of three analytes (benzene, m&p xylenes, and naphthalene) exceeded IA ODH screening levels, but are not detected in corresponding SS samples and are not attributable to vapor intrusion.
 - USEPA and Respondents agree to complete adjustments to the SSDS valves in order to obtain optimal vacuum response. GHD will conduct real time readings with a photoionization detector (PID) during the valve and vacuum adjustments.
 - Respondents will complete confirmatory sampling at Building 12 (Overstreet Painting) after SSDS valve and vacuum adjustments.

Building 14 (NexGen Vending):

- 30-day proficiency sampling completed on January 16, 2014 and 180-day proficiency sampling completed on June 3, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 19, 2015 and July 16, 2015.

- A proposed SSDS modification (addition of an extraction point) was agreed upon during the January 28, 2016 meeting.
- SSDS modifications at Building 14 (NexGen Vending) were completed on April 6, 2016.
- 60-day post-SSDS modification sampling and annual proficiency sampling completed at Building 14 (NexGen Vending) in one joint event on June 15, 2016:
 - There are no IA exceedances at NexGen Vending.
 - TCE and 1,1-dichloroethane (1,1-DCA) concentrations in SS soil vapor samples collected at SS-14-A are greater than the ODH screening levels and have increased compared to previous results, including 2012 pre-mitigation results.
 - These results are anomalous and are not in line with previous results based on review of all contributing aspects.
 - USEPA and Respondents agree to complete adjustments to the SSDS valves in order to obtain optimal vacuum response. GHD will collect real time readings with a PID during the valve adjustments.
- Respondents will complete confirmatory sampling at Building 14 after SSDS valve and vacuum adjustments.

Building 15 (SIM Trainer):

- 30-day proficiency sampling completed on February 13, 2014. A corrective action was implemented on April 6, 2014 and additional confirmatory sampling was completed on April 24, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 18, 2015 and July 14, 2015.
- Respondents and U.S. EPA proposed SSDS modifications to the building owner during the January 28, 2016 meeting.
- SSDS modifications at Building 15 (SIM Trainer) were completed on April 6, 2016.
- 60-day post-SSDS modification sampling and annual proficiency sampling completed at Building 15 (SIM Trainer) in one joint event on June 17, 2016:
 - There are no SS exceedances at SIM Trainer.
 - IA concentration at IA-15-C is greater than the ODH screening level for tetrachloroethene (PCE); however, PCE was not detected at concentrations greater than ODH screening levels in the corresponding SS-15-C sample, and are therefore not attributable to vapor intrusion.
 - The current SSDS configuration produces good vacuum response at SS-15-C (-0.4" w.c.).
 - U.S. EPA and Respondents agree that no further modifications to the SSDS are required.
- Respondents will complete annual monitoring at Building 15 in winter 2017.

Building 17 (Megacity Construction):

- 30-day and 180-day proficiency sampling completed on January 16, 2014, and June 3, 2014, respectively.
- 1-year proficiency sampling completed on February 19, 2015.
- Annual proficiency sampling was completed on February 10, 2016.
- The building is in compliance.
- Respondents will complete annual monitoring at Building 17 in winter 2017.

Building 24 (Globe Equipment):

- 30-day, 180-day, and 1-year proficiency sampling completed on September 11, 2013, February 7, 2014, and December 5, 2014 respectively.
- One-year confirmatory sampling completed on February 20, 2015.
- Additional confirmatory sampling completed on July 16, 2015.
- SSDS modifications for Globe Equipment were completed on February 13, 2016.
- Annual proficiency sampling was completed on February 11, 2016.
 - The building is in compliance; IA and SS concentrations are less than applicable ODH screening levels.
- Respondents will complete annual monitoring at Building 24 in winter 2017.